

Relationship of Arkansas Early Childhood Education (AECE)
Benchmarks to Other Measurements

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PREFACE

This revised publication of the Association of Measurements [AOM] or Relationship of the Arkansas Early Childhood Education (AECE) Benchmarks to Other Measurements, is a collection of alignments, continuums, correlations and connections. These documents show the relationships among the AECE Benchmarks and other educational standards and measurements. This publication is provided as an aid for those early childhood educators who are using the various standards and measurements contained within.

This publication consists of relationship documents which include: Head Start Child Development and Early Learning Framework, Kindergarten Readiness Indicators, Common Core State Standards for English Language Arts Kindergarten Level, Common Core State Standards for Mathematics Kindergarten Level, Work Sampling System Developmental Guidelines for Preschool 4, and Arkansas Framework for Infant and Toddler Care. In the previous publication of the AOM, the relationship between the AECE Benchmarks and The Creative Curriculum for Preschool® was included. You can now find that relationship for this document on the Teaching Strategies® website.

Each of the above documents has a close relationship with the benchmarks in the AECE Framework Handbook for Three and Four Year Old Children. Benchmarks "are a level of performance that can be supported through observations, descriptions and documentation of a child's performance or behavior, and by samples of a child's work" (AECE Framework Handbook for Three and Four Year Old Children, 2004, p. 4). Some of the documents may only be of interest to particular early childhood educators. Head Start teachers may find the alignment of the benchmarks in the Arkansas Early Childhood Education Framework Handbook with domain elements in the Head Start Child Development and Early Learning Framework especially helpful. All preschool teachers will be interested in the continuum of the Common Core State Standards with the Arkansas Early Childhood Education Handbook.

These alignments, continuums, correlations and connections are helpful tools for the early childhood educator who wants a more in-depth look at the AECE Benchmarks and their association with and/or relevancy to other standards and measurements. It is the intent of this publication to provide additional information which will assist early childhood professionals in meeting benchmark goals for the children of Arkansas.

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Association of Measurements [AOM] Table

RELATIONSHIP OF BENCHMARKS FROM THE ARKANSAS EARLY CHILDHOOD EDUCATION (AECE) FRAMEWORK HANDBOOK FOR THREE AND FOUR YEAR OLD CHILDREN TO OTHER MEASUREMENTS

AECE Framework Handbook For Three and Four Year Old Children	Alignment	Head Start Child Development and Early Learning Framework
AECE Framework Handbook For Three and Four Year Old Children	Connection	Kindergarten Readiness Indicators
AECE Framework Handbook For Three and Four Year Old Children	Continuum	Common Core State Standards for English Language Arts (Kindergarten Level)
Common Core State Standards for English Language Arts (Kindergarten Level)		AECE Framework Handbook For Three and Four Year Old Children
AECE Framework Handbook For Three and Four Year Old Children	Continuum	Common Core State Standards for Mathematics (Kindergarten Level)
Common Core State Standards for Mathematics (Kindergarten Level)		AECE Framework Handbook For Three and Four Year Old Children
AECE Framework Handbook For Three and Four Year Old Children	Correlation	Work Sampling System Developmental Guidelines for Preschool 4
Arkansas Framework for Infant and Toddler Care	Continuum	AECE Framework Handbook For Three and Four Year Old Children

Alignment of the Head Start Child Development and Early Learning Framework with the Arkansas Early Childhood Education Framework Handbook for Three and Four Year Old Children

The Administration for Children and Families, Office of Head Start revised the Head Start Child Outcomes Framework in December 2010. The Framework was renamed the Head Start Child Development and Early Learning Framework: Promoting Positive Outcomes in Early Childhood Programs Serving Children 3-5 Years Old. The changes to the revised framework were designed to provide clarity to the domains and domain elements in the original framework. The changes which have occurred since 2000, when the original framework was published, in the early childhood field prompted the changes (U.S. Department of Health and Human Services, Administration for Children and Families, Office of Head Start, 2010).

The changes reflected in the Head Start Child Development and Early Learning Framework provided the impetus for changes to the benchmarks in the *Arkansas Early Childhood Education Framework Handbook for Three and Four Year Old Children*. The following is a table that connects the Head Start domain elements and domain examples with the AECE Benchmarks.

Head Start Domain Element	Head Start Examples		AECE Benchmarks
Head Sta	rt Domain – Physical Development and Health		
Physical Health Status The maintenance of healthy	Possesses good overall health, including oral, visual, and auditory health, and is free from communicable or preventable diseases	4.2	Demonstrates health and personal care habits
and age appropriate physical well-being.	Participates in prevention and management of chronic health conditions and avoids toxins, such as lead.	4.2	Demonstrates health and personal care habits
	Maintains physical growth within the Centers for Disease Control and Prevention (CDC) recommended ranges for weight by height by age	4.2	Demonstrates health and personal care habits
	Gets sufficient rest and exercise to support healthy development.	4.2	Demonstrates health and personal care habits
Health Knowledge & Practice	Completes personal care tasks, such as dressing, brushing teeth, toileting, and washing hands independently from adults	4.2	Demonstrates health and personal care habits
The understanding of healthy and safe habits and practicing healthy habits.	Communicates an understanding of the importance of health and safety routines and rules	1.23 3.36 4.5	Shares, takes turns Shows awareness of safe behavior Shows awareness that some foods are better for your body than others
	Follows basic health and safety rules and responds appropriately to harmful or unsafe situations.	1.23 3.36 4.5	Shares, takes turns Shows awareness of safe behavior Shows awareness that some foods are better for your body than others
	Distinguishes food on a continuum from most healthy to less healthy.	4.4 4.5	Recognized different types of food Shows awareness that some foods are better for your body than others
	Eats a variety of nutritious foods.	4.3	Tries new foods before deciding whether he/she likes them

Head Start Domain Element	Head Start Examples		AECE Benchmarks
Health Knowledge &	Participates in structured and unstructured physical activities.	4.9	Freely participates in gross motor activities
Practice, con't	Recognizes the importance of doctor and dentist visits.	4.2	Demonstrates health and personal care habits
	Cooperates during doctor and dentist visits and health and developmental screenings.	1.10	Trust adults for help and comfort
Gross Motor Skills The control of large muscles	Develops motor control and balance for a range of physical activities, such as walking, propelling a wheelchair or mobility device, skipping, running, climbing, and hopping.	4.11 4.12	Runs, jumps, hops, and skips Shows balance and coordination
for movement, navigation, and balance.	Develops motor coordination and skill in using objects for a range of physical activities, such as pulling, throwing, catching, kicking, bouncing or hitting balls, and riding a tricycle.	3.41 4.9 4.10 4.13	Independently applies technology and tools to address a variety of tasks and problems Freely participates in gross motor activities Throws, kicks, bounces, and catches Climbs up and down equipment
	Understands movement concepts, such as control of the body, how the body moves (such as an awareness of space and directionality), and that the body can move independently or in coordination with other objects.	4.12	Shows balance and coordination
Fine Motor Skills	Develops hand strength and dexterity	4.6	Coordinates eye and hand movements to complete tasks
The control of small muscles for such purposes as using utensils, self-care, building, and exploring.	Develops eye-hand coordination to use everyday tools, such as pitchers for pouring or utensils for eating.	3.41 4.6 4.7	Independently applies technology and tools to address a variety of tasks and problems Coordinates eye and hand movements to complete tasks Uses small muscles for self-help skills
	Manipulates a range of objects, such as blocks or books.	4.6	Coordinates eye and hand movements to complete tasks
	Manipulates writing, drawing, and art tools.	3.41 4.8	Independently applies technology and tools to address a variety of tasks and problems Uses writing and drawing tools with control and intention

Head Start Domain Element	Head Start Examples		AECE Benchmarks
Head Star	rt Domain – Social and Emotional Development		
Social Relationships The healthy relationships	Communicates with familiar adults and accepts or requests guidance.	1.10 1.28	Trust adults for help and comfort Seeks support from others when needs assistance
and interactions with adults and peers.	Cooperates with others.	1.19 1.22 3.44	Works cooperatively with others Shares, takes turns Demonstrates the safe and cooperative use of technology and tools
	Develops friendships with peers.	3.35	Functions as a member of the classroom community
	Establishes secure relationships with adults.	1.10	Trust adults for help and comfort
	Uses socially appropriate behavior with peers and adults, such as helping, sharing, and taking turns.	1.17 1.18 1.19 1.22 1.33 3.44	Stands up for rights Respects the rights of others Works cooperatively with others Shares, takes turns Delays gratification Demonstrates the safe and cooperative use of technology and tools
	Resolves conflict with peers alone and/or with adult intervention as appropriate.	1.19 1.20 1.22 1.28	Works cooperatively with others Uses compromise and discussion to resolve conflicts Shares, takes turns Seeks support from others when needs assistance
	Recognizes and labels others' emotions.	1.27	Identifies and understands others' emotions and intentions
	Expresses empathy and sympathy to peers.	1.16 1.24 1.27	Helps others in need Expresses care and concern for others Identifies and understands others' emotions and intentions
	Recognizes how actions affect others and accepts consequences of one's actions.	1.24 1.27 1.31 3.23	Expresses care and concern for others Identifies and understands others' emotions and intentions Accepts consequences Show awareness of cause-effect relationships

Head Start Domain Element	Head Start Examples		AECE Benchmarks
Self-Concept & Self-Efficacy The perception that one is capable of successfully making decisions,	Identifies personal characteristics, preferences, thoughts, and feelings.	1.1 1.6 1.25 1.26	Demonstrates ability to make choices Demonstrates confidence in growing abilities Identifies one's own feelings Expresses thoughts and feelings in words
accomplishing tasks, and meeting goals.	Demonstrates age-appropriate independence in a range of activities, routines, and tasks.	1.2 1.3	Demonstrates independence in personal care Demonstrates ability to play independently
	Shows confidence in a range of abilities and in the capacity to accomplish tasks and take on new tasks.	1.6	Demonstrates confidence in growing abilities
	Demonstrates age-appropriate independence in decision making regarding activities and materials.	1.8	Uses planning in approaching a task or activity
Self-Regulation The ability to recognize and regulate emotions, attention, impulses, and	Recognizes and labels emotions.	1.17 1.18 1.25 1.27	Stands up for rights Respects the rights of others Identifies one's own feelings Identifies and understands others' emotions and intentions
behavior.	Handles impulses and behavior with minimal direction from adults.	1.29 1.33	Expresses strong emotions constructively Delays gratification
	Follows simple rules, routines, and directions.	1.13 1.23 1.30	Participates in routine activities easily Follows rules Pays attention
	Shifts attention between tasks and moves through transitions with minimal direction from adults.	1.8 1.30	Uses planning in approaching a task or activity Pays attention
Emotional & Behavioral Health A healthy range of	Expresses a range of emotions appropriately, such as excitement, happiness, sadness, and fear.	1.26 1.29 1.31	Expresses thoughts and feelings in words Expresses strong emotions constructively Accepts consequences
emotional expression and learning positive	Refrains from disruptive, aggressive, angry, or defiant behaviors.	1.29 1.31	Expresses strong emotions constructively Accepts consequences
alternatives to aggressive or isolating behaviors.	Adapts to new environments with appropriate emotions and behaviors.	1.29	Expresses strong emotions constructively

Head Start Domain Element	Head Start Examples		AECE Benchmarks
Head Start Domain – Approaches to Learning			
Initiative & Curiosity An interest in varied topics	Demonstrates flexibility, imagination, and inventiveness in approaching tasks and activities.	2.1	Shows creativity and imagination in play with materials and props
and activities, desire to learn, creativeness, and independence in learning.	Demonstrates eagerness to learn about and discuss a range of topics, ideas, and tasks.	1.1 1.4 1.5 1.7	Demonstrates ability to make choices Shows curiosity and desire to learn Enjoys experimenting and problem-solving with ideas as well as with concrete materials Demonstrates willingness to try new things
	Asks questions and seeks new information.	1.4 1.28	Shows curiosity and desire to learn Seeks support from others when needs assistance
Persistence & Attentiveness The ability to begin and finish activities with persistence and attention.	Maintains interest in a project or activity until completed.	1.5 1.30 1.32	Enjoys experimenting and problem-solving with ideas as well as with concrete materials Pays attention Practices new skill
	Sets goals and develops and follows through on plans.	1.8	Uses planning in approaching a task or activity
	Resists distractions, maintains attention, and continues the task at hand through frustration or challenges.	1.9 1.30	Shows persistence in approaching tasks Pays attention
Cooperation An interest and engagement	Plans, initiates, and completes learning activities with peers.	1.8 1.30	Uses planning in approaching a task or activity Pays attention
in group experiences	Joins in cooperative play with others and invites others to play.	1.19 1.24 1.27	Works cooperatively with others Expresses care and concerns for others Identifies and understands others' emotions and intentions
	Models or teaches peers.	1.16 1.24	Helps others in need Expresses care and concerns for others
	Helps, shares, and cooperates in a group.	1.16 1.18 1.22 1.27 3.35 3.44	Helps others in need Respects the rights of others Shares, takes turns Identifies and understands others' emotions and intentions Functions as a member of the classroom community Demonstrates the safe and cooperative use of technology and tools

Head Start Domain Element	Head Start Examples		AECE Benchmarks
Н	ead Start Domain - Logic & Reasoning		
Reasoning & Problem Solving	Seeks multiple solutions to a question, task, or problem.	3.24	Finds more than one solution to a problem
The ability to recognize, understand, and analyze a problem and draw on	Recognizes cause and effect relationships.	1.5 3.23	Enjoys experimenting and problem-solving with ideas as well as with concrete materials Shows awareness of cause-effect relationships
knowledge or experience to seek solutions to a problem.	Classifies, compares, and contrasts objects, events, and experiences.	3.11	Classifies objects conceptually (things that go together)
	Uses past knowledge to build new knowledge.	3.25	Applies information or experience to a new context (scientific process: applying)
Symbolic Representation The use of symbols or	Represents people, places, or things through drawings, movement, and three-dimensional objects.	2.10	Explores and manipulates art media
objects to represent something else.	Engages in pretend play and acts out roles.	2.3	Assumes various roles in dramatic play situations
	Recognizes the difference between pretend or fantasy situations and reality	2.1	Shows creativity and imagination in play with materials and props
Hea	d Start Domain - Language Development		
Receptive Language The ability to comprehend or understand language.	Attends to language during conversations, songs, stories, or other learning experiences.	5.7 5.8 5.10	Engages in two-way conversation with children and adults Participates in group discussion Follows directions in sequence
	Comprehends increasingly complex and varied vocabulary.	3.45 5.3	Communicates about technology and tools using developmentally appropriate and accurate terminology Expands vocabulary
	Comprehends different forms of language, such as questions or exclamations.	5.2	Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar
	Comprehends different grammatical structures or rules for using language.	5.2	Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar

Head Start Domain Element	Head Start Examples		AECE Benchmarks
Expressive Language	Engages in communication and conversation with others.	5.7	Engages in two-way conversation with children and adults
The ability to use language.	Uses language to express ideas and needs.	5.6	Uses words to communicate ideas
	Uses increasingly complex and varied vocabulary.	3.45 5.3	Communicates about technology and tools using developmentally appropriate and accurate terminology Expands vocabulary
	Uses different forms of language.	5.2	Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar
	Uses different grammatical structures for a variety of purposes.	5.2	Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar
	Engages in storytelling.	3.2 5.11	Uses picture cues to tell a story Tells a story
	Engages in conversations with peers and adults.	5.7	Engages in two-way conversation with children and adults
Head S	Start Domain – Literacy Knowledge & Skills		
Book Appreciation and Knowledge	Shows interest in shared reading experiences and looking at books independently.	3.1	Shows enjoyment of books and stories and discussion of them
The interest in books and their characteristics, and the ability to understand and get meaning from stories and	Recognizes how books are read, such as front-to-back and one page at a time, and recognizes basic characteristics, such as title, author, and illustrator.	3.3	Demonstrates knowledge of how to use a book
information from books and other texts.	Asks and answers questions and makes comments about print materials.	3.1	Shows enjoyment of books and stories and discussion of them
	Demonstrates interest in different kinds of literature, such as fiction and non-fiction books and poetry, on a range of topics.	3.1	Shows enjoyment of books and stories and discussion of them
	Retells stories or information from books through conversation, artistic works, creative movement, or drama.	3.2	Uses picture cues to tell a story

Head Start Domain Element	Head Start Examples		AECE Benchmarks
Phonological Awareness An awareness that	Identifies and discriminates between words in language.	5.1	Demonstrates phonological awareness (hearing and recognizing the sounds of language)
language can be broken into words, syllables, and	Identifies and discriminates between separate syllables in words.	5.1	Demonstrates phonological awareness (hearing and recognizing the sounds of language)
smaller pieces of sound.	Identifies and discriminates between sounds and phonemes in language, such as attention to beginning and ending sounds of words and recognition that different words begin or end with the same sound.	5.1	Demonstrates phonological awareness (hearing and recognizing the sounds of language)
Alphabet Knowledge The names and sounds associated with letters.	Recognizes that the letters of the alphabet are a special category of visual graphics that can be individually named.	3.4 3.6 3.9	Demonstrates visual discrimination and visual memory skills Demonstrates an interest in using writing for a purpose Identifies some letters and makes some letter-sound matches
	Recognizes that letters of the alphabet have distinct sound(s) associated with them.	3.9	Identifies some letters and makes some letter-sound matches
	Attends to the beginning letters and sounds in familiar words.	3.7	Identifies letters and signs in the environment
	Identifies letters and associates correct sounds with letters.	3.9	Identifies some letters and makes some letter-sound matches
Print Concepts & Conventions The concepts about print	Recognizes print in everyday life, such as numbers, letters, one's name, words, and familiar logos and signs.	3.4 3.5 3.7	Demonstrates visual discrimination and visual memory skills Understands that print conveys a message Identifies letters and signs in the environment
and early decoding (identifying letter-sound relationships).	Understands that print conveys meaning.	3.5 3.7	Understands that print conveys a message Identifies letters and signs in the environment
	Understands conventions, such as print moves from left to right and top to bottom of a page.	3.3 3.5	Demonstrates knowledge of how to use a book Understands that print conveys a message
	Recognizes words as a unit of print and understands that letters are grouped to form words.	3.9	Identifies some letters and makes some letter-sound matches
	Recognizes the association between spoken or signed and written words.	3.9	Identifies some letters and makes some letter-sound matches

Head Start Domain Element	Head Start Examples		AECE Benchmarks
Early Writing The familiarity with writing implements, conventions, and emerging skills to communicate through written representations,	Experiments with writing tools and materials.	3.6 3.41 4.8	Demonstrates an interest in using writing for a purpose Independently applies technology and tools to address a variety of tasks and problems Uses writing and drawing tools with control and intention
symbols, and letters.	Recognizes that writing is a way of communicating for a variety of purposes, such as giving information, sharing stories, or giving an opinion.	3.5 3.6	Understands that print conveys a message Demonstrates an interest in using writing for a purpose
	Uses scribbles, shapes, pictures, and letters to represent objects, stories, experiences, or ideas.	3.6 3.8	Demonstrates an interest in using writing for a purpose Uses known letters or approximation of letters to represent written language
	Copies, traces, or independently writes letters or words.	3.6	Demonstrates an interest in using writing for a purpose
Head Sta	art Domain – Mathematics Knowledge & Skills		
Number Concepts & Quantities The understanding that numbers represent quantities and have ordinal properties (number words	Recognizes numbers and quantities in the everyday environment.	3.14 3.15 3.16 3.26 3.27	Demonstrates the ability to order and sequence Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration) Demonstrates an understanding of addition and subtraction, using manipulatives Discusses natural events in the environment Uses numbers in daily activities
represent a rank order, particular size, or position in a list).	Recites numbers in the correct order and understands that numbers come "before" or "after" one another.	3.15 3.27	Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration) Uses numbers in daily activities
	Associates quantities and the names of numbers with written numerals.	3.15 3.27	Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration) Uses numbers in daily activities
	Uses one-to-one counting and subitizing (identifying the number of objects without counting) to determine quantity.	3.13 3.27	Demonstrates one-to-one correspondence Uses numbers in daily activities
	Uses the number name of the last object counted to represent the number of objects in the set.	3.15 3.27	Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration) Uses numbers in daily activities

Head Start Domain Element			AECE Benchmarks	
Number Relationships & Operations The use of numbers to describe relationships and	Uses a range of strategies, such as counting, subitizing, or matching, to compare quantity in two sets of objects and describes the comparison with terms, such as more, less, greater than, fewer, or equal to.	3.16	Demonstrates an understanding of addition and subtraction, using manipulatives	
solve problems.	Recognizes that numbers (or sets of objects) can be combined or separated to make another number through the grouping of objects.	3.16 3.27	Demonstrates an understanding of addition and subtraction, using manipulatives Uses numbers in daily activities	
	Identifies the new number created when numbers are combined or separated.	3.16 3.27	Demonstrates an understanding of addition and subtraction, using manipulatives Uses numbers in daily activities	
Geometry & Spatial Sense The understanding of shapes, their properties,	Recognizes and names common shapes, their parts, and attributes.	3.10 3.28	Classifies objects by physical features such as shape or color Describes the characteristics of both two-dimensional shapes and geometric solids	
and how objects are related to one another.	Combines and separates shapes to make other shapes.	3.17 3.29	Shows understanding of different relationships of objects in space (spatial relations) Manipulates and combines two-dimensional shapes	
	Compares objects in size and shape.	3.10 3.17	Classifies objects by physical features such as shape or color Shows understanding of different relationships of objects in space (spatial relations)	
	Understands directionality, order, and position of objects, such as up, down, in front, behind.	3.17	Shows understanding of different relationships of objects in space (spatial relations)	
Patterns The recognition of patterns, sequencing, and critical	Sorts, classifies, and serializes (puts in a pattern) objects using attributes, such as color, shape, or size.	3.10 3.14 3.22	Classifies objects by physical features such as shape or color Demonstrates the ability to order and sequence Makes comparisons (scientific process: comparing)	
thinking skills necessary to predict and classify objects	Recognizes, duplicates, and extends simple patterns.	3.12	Recognizes patterns and can repeat them (patterning)	
in a pattern.	Creates patterns through the repetition of a unit.	3.12	Recognizes patterns and can repeat them (patterning)	
Measurement & Comparison	Compares objects using attributes of length, weight and size (bigger, longer, taller, heavier).	3.22 3.30	Makes comparisons (scientific process: comparing) Participates in exploratory measurement activities	
The understanding of attributes and relative properties of objects as	Orders objects by size or length.	3.10 3.30	Classifies objects by physical features such as shape or color Participates in exploratory measurement activities	
related to size, capacity, and area.	Uses nonstandard and standard techniques and tools to measure and compare.	3.22 3.30	Makes comparisons (scientific process: comparing) Participates in exploratory measurement activities	

Head Start Domain Element	HERO SIZIO EXCIDIOLES		AECE Benchmarks	
Head Start Domain – Science Knowledge & Skills				
Scientific Skills & Method The skills to observe and collect information and use it to ask questions, predict, explain, and draw conclusions.	Uses senses and tools, including technology, to gather information, investigate materials, and observe processes and relationships.	3.19 3.20 3.22 3.26 3.41 3.43	Shows interest in exploring the environment Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing) Makes comparisons (scientific process: comparing) Discusses natural events in the environment Independently applies technology and tools to address a variety of tasks and problems Identifies purpose of common technologies and tools	
	Observes and discusses common properties, differences, and comparisons among objects.	3.20 3.21 3.22 3.26 3.43 3.45	Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing) Uses words to describe the characteristics of objects (scientific process: communicating) Makes comparisons (scientific process: comparing) Discusses natural events in the environment Identifies purpose of common technologies and tools Communicates about technology and tools using developmentally appropriate and accurate terminology	
	Participates in simple investigations to form hypotheses, gather observations, draw conclusions, and form generalizations.	3.22 3.23 3.25	Makes comparisons (scientific process: comparing) Shows awareness of cause-effect relationships Applies information or experience to a new context (scientific process: applying)	
	Collects, describes, and records information through discussions, drawings, maps, and charts.	3.20 3.21 3.41 3.43 3.45	Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing) Uses words to describe the characteristics of objects (scientific process: communicating) Independently applies technology and tools to address a variety of tasks and problems Identifies purpose of common technologies and tools Communicates about technology and tools using developmentally appropriate and accurate terminology	
	Describes and discusses predictions, explanations, and generalizations based on past experience.	3.21 3.22 3.23 3.25 3.44	Uses words to describe the characteristics of objects (scientific process: communicating) Makes comparisons (scientific process: comparing) Shows awareness of cause-effect relationships Applies information or experience to a new context (scientific process: applying) Demonstrates the safe and cooperative use of technology and tools	

Head Start Domain Element	Head Start Examples		AECE Benchmarks		
Conceptual Knowledge of the Natural & Physical World The acquisition of concepts and facts related to the natural and physical world and the understanding of	Observes, describes, and discusses living things and natural processes.	3.20 3.21 3.26 3.45	Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing) Uses words to describe the characteristics of objects (scientific process: communicating) Discusses natural events in the environment Communicates about technology and tools using developmentally appropriate and accurate terminology		
naturally-occurring relationships.	Observes, describes, and discusses properties of materials and transformation of substances.	3.18 3.19 3.20 3.23 3.45 4.1	Shows an awareness of time concepts Shows interest in exploring the environment Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing) Shows awareness of cause-effect relationships Communicates about technology and tools using developmentally appropriate and accurate terminology Identifies body parts and understands their functions		
Head	Start Domain – Creative Arts Expression				
Music The use of voice and instruments to create	Participates in music activities, such as listening, singing, or performing.		Participates freely in music activities Enjoys singing games, dramatizing songs and moving to music Identifies the source of a variety of sounds		
sounds.	Experiments with musical instruments.	2.7	Experiments with a variety of musical instruments and sound sources		
Creative Movement & Dance The use of the body to	Expresses what is felt and heard in various musical tempos and styles.	2.5 2.6	Enjoys singing games, dramatizing songs and moving to music Expresses through movement what is felt and heard in various musical tempos and styles		
move to music and express oneself.	Moves to different patterns of beat and rhythm in music.	2.9	Moves in time to the beat		
onesen.	Uses creative movement to express concepts, ideas, or feelings.	2.6	Expresses through movement what is felt and heard in various musical tempos and styles		
Art The use of a range of media and materials to create	Uses different materials and techniques to make art creations.	2.10 3.41	Explores and manipulates art media Independently applies technology and tools to address a variety of tasks and problems		
drawings, pictures, or other objects.	Creates artistic works that reflect thoughts, feelings, experiences, or knowledge.	2.11 2.12	Creates drawings and paintings that gradually become more detailed and realistic Preplans art project and then works with care		
	Discusses one's own artistic creations and those of others.	2.13	Recognizes and responds to beauty in the environment		

Head Start Domain Element	Head Start Examples		AECE Benchmarks
Drama The portrayal of events,	Uses dialogue, actions, and objects to tell a story or express thoughts and feelings about one's self or a character.		Participates in dramatic play themes that become more involved and complex
characters, or stories through acting and using props and language.	Uses creativity and imagination to manipulate materials and assume roles in dramatic play situations.	2.1 2.3	Shows creativity and imagination in play with materials and props Assumes various roles in dramatic play situations
Head Sta	rt Domain – Social Studies Knowledge & Skills		
Self, Family & Community The understanding of one's	Identifies personal and family structure.		Identifies self as a boy or girl Identifies self as a member of a specific family and cultural group
relationship to the family	Understands similarities and respects differences among people.	1.15	Understands and respects differences
and community, roles in the family and community, and	Recognizes a variety of jobs and the work associated with them.	3.34	Shows awareness of the roles people play in society
respect for diversity.	Understands the reasons for rules in the home and classroom and for laws in the community.	1.23 3.34	Follows rules Shows awareness of the roles people play in society
	Describes or draws aspects of the geography of the classroom, home, and community.	3.35	Functions as a member of the classroom community
People & the Environment The understanding of the relationship between people and the environment in which they live.	Recognizes aspects of the environment, such as roads, buildings, trees, gardens, bodies of water, or land formations.	3.20 3.26 3.42	Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing) Discusses natural events in the environment Shows awareness of technology and tools and their impact on how people live
	Recognizes that people share the environment with other people, animals, and plants.	3.37 3.42	Cares for the environment Shows awareness of technology and tools and their impact on how people live
	Understands that people can take care of the environment through activities, such as recycling.	3.37 3.42	Cares for the environment Shows awareness of technology and tools and their impact on how people live
History & Events The understanding that events happened in the past	Differentiates between past, present, and future.		Shows awareness of the roles people play in society Shows awareness of technology and tools and their impact on how people live
and how these events relate to one's self, family, and community.	Recognizes events that happened in the past, such as family or personal history.	3.33 3.42	Shows pride in heritage and background Shows awareness of technology and tools and their impact on how people live
	Understands how people live and what they do changes over time.	3.28 3.34 3.42	Shows pride in heritage and background Shows awareness of the roles people play in society Shows awareness of technology and tools and their impact on how people live

Head Start Domain Element			AECE Benchmarks
Head St	art Domain – English Language Development		
Receptive English Language Skills	Participates with movement and gestures while other children and the teachers dance and sing in English.	2.4	Participates freely in music activities
The ability to comprehend or understand the English language.	Acknowledges or responds nonverbally to common words or phrases, such as "hello" "good bye" "snack time" "bathroom", when accompanied by adult gestures.	*4.1.C	Expresses needs and thoughts without using words (non-verbal communication)
	Points to body parts when asked, "Where is your nose, hand, leg?"	*4.3.13	Responds to verbal and non-verbal language
	Comprehends and responds to increasingly complex and varied English vocabulary, such as "Which stick is the longest?" "Why do you think the caterpillar is hungry?"	5.3 5.6 5.9	Expands vocabulary Uses words to communicate ideas Uses language to problem solve
	Follows multi-step directions in English with minimal cues or assistance.	5.10	Follows directions in sequence
Expressive English Language Skills Repeats word or phrase to self, such as "bus" while group sings the "Wheels on the Bus" or "brush teeth" after lunch.		*4.4.C	Communicates through language
The ability to speak or use	Requests items in English, such as "car," "milk," "book," "ball."	*4.4.C	Communicates through language
English.	Uses one or two English words, sometimes joined to represent a bigger idea, such as "throwball."	*4.4.C	Communicates through language
	Uses increasingly complex and varied English vocabulary.	*4.4.C	Communicates through language
	Constructs sentences, such as "The apple is round." or "I see a fire truck with lights on."	*4.4.C	Communicates through language
Engagement in English Literacy Activities	Demonstrates eagerness to participate in songs, rhymes and stories in English.		Enjoys singing games, dramatizing songs and moving o music Participates in songs, fingerplays, rhyming activities, and games
Understanding and responding to books,	Points to pictures and says the word in English, such as "frog," "baby," "run."	5.4	Recognizes and identifies by name most common objects and pictures
storytelling, and songs presented in English.	Learns part of a song or poem in English and repeats it.	5.5	Participates in songs, fingerplays, rhyming activities, and games
	Talks with peers or adults about a story read in English.	5.8	Participates in group discussion
	Tells a story in English with a beginning, middle, and end from a book or about a personal experience.	3.2	Uses picture cues to tell a story

^{*}From the Arkansas Framework for Infant and Toddler Care which addresses earlier more developmental student expectations. Most students will move quickly through these benchmarks.

U.S. Department of Health and Human Services, Administration for Children and Families, Office of Head Start (2010).

Connection of the Kindergarten Readiness Indicators with the Arkansas Early Childhood Education Handbook for Three and Four Year Old Children

The Kindergarten Readiness Indicators were developed by the Arkansas Department of Education to help identify skills that will prepare children for kindergarten. "While mastery of any or all of the skills identified is not required for admission to kindergarten, these indicators will help children enter kindergarten with confidence" (Arkansas Department of Education, 2004).

The Division of Child Care and Early Childhood Education has published *Getting Ready for Kindergarten: A Calendar of Family Activities*. The calendar is full of activities to help parents and their children focus on specific kindergarten readiness indicators each month. The calendar has restated the *Kindergarten Readiness Indicators* in family-friendly language.

Following is a table that connects the Kindergarten Readiness Indicators to the Arkansas Early Childhood Education Benchmarks.

Explanation: In the left column, is the indicator from the Arkansas Department of Education. Below it in *italics, is the same indicator written in the family-friendly language from the calendar. In the left column, the indicator is connected with the Arkansas Early Childhood Education Benchmarks in the right column.

	KINDERGARTEN READINESS INDICATORS	ARKANSAS EARLY CHILDHOOD EDUCATION BENCHMARKS
	Expressiveness and La	nguage Comprehension
1.	Uses effective oral communication skills and speaks in complete sentences	1.26 Expresses thoughts and feelings in words
	*Speaks in complete sentences	1.28 Seeks support from others when needs assistance
		1.29 Expresses strong emotions constructively
		5.2 Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar
2.	Understands and follows directions with at least two steps	1.23 Follows rules
	*Follows directions with at least two steps	5.10 Follows directions in sequence
3.	Understands vocabulary related to position, direction, size and comparison • like/different • top/bottom • first/last • big/little • up/down	3.17 Shows understanding of different relationships of objects in space (spatial relations)
	*Understands words such as "top" and "bottom" and "big" and "little"	
4.	Makes simple predictions and comments about a story being read	3.1 Shows enjoyment of books and stories and discussion of them
	*Makes simple predictions and comments about a story being read	

KINDERGARTEN READINESS INDICATORS	ARKANSAS EARLY CHILDHOOD EDUCATION BENCHMARKS		
Approach to Lea	ning and Cognition		
 Demonstrates visual discrimination skills by matching two like pictures in each of five sets of pictures 	3.4 Demonstrates visual discrimination and visual memory skills		
*Matches two pictures that are alike			
6. Classifies (same/different, alike/not alike) objects by physical featuresshape	3.10 Classifies objects by physical features such as shape or color		
• color • size	3.28 Describes the characteristics of both two-dimensional shapes and geometric solids		
*Looks at groups of objects and says which are the same shape, color or size			
7. Classifies objects conceptually (things that go together)	3.11 Classifies objects conceptually (things that go together)		
*Tells things that go together; for example a spoon and fork are for eating and a fish and a boat go in the water			
8. Recognizes, replicates or repeats a visual or auditory patterning sequence	3.12 Recognizes patterns and can repeat them (patterning)		
*Repeats a pattern you start; for example, step, step, jump – step, step, jump			
9. Demonstrates the ability to correctly put in order or sequence up to three (3)	1.30 Pays attention		
pictures	3.14 Demonstrates the ability to order and sequence		
*Puts 3 pictures in order; for example 1. Planting flower seeds 2. Flowers growing 3. Picking flowers			
10. Recites/participates/joins in repeating a familiar song/poem/finger play/nursery rhyme	5.5 Participates in songs, fingerplays, rhyming activities, and games		
*Says or sings familiar songs and nursery rhymes			
11. Retells a simple story after listening to a story with pictures	3.2 Tells a story in sequence, following the pictures in a book		
*Retells a simple story such as The Three Little Pigs after listening to it while looking at the pictures in the book	5.11 Tells a story		
12. Works simple puzzles (up to 4 pieces)	4.6 Coordinates eye and hand movements to complete tasks		
*Works puzzles			
13. Identifies/points to 5 colors	3.10 Classifies objects by physical features such as shape or color		
*Recognizes and names at least 5 colors			

KINDERGARTEN READINESS INDICATORS	ARKANSAS EARLY CHILDHOOD EDUCATION BENCHMARKS				
Phonological Awareness and Print Knowledge					
14. Recognizes name in print when shown word cards	3.5 Understands that print conveys a message				
*Recognizes his or her own first name in print					
15. Points and/or recognizes letters in name	3.7 Identifies letters and signs in the environment				
*Recognizes letters in his or her own first name					
16. Attempts to write letters in own name	3.6 Demonstrates an interest in using writing for a purpose				
*Begins to write some of the letters in his or her own first name	3.8 Uses known letters or approximation of letters to represent written language				
17. Recognizes environmental print or familiar signs in the child's environment	3.7 Identifies letters and signs in the environment				
*Recognizes words or signs he or she sees often; for example McDonald's, Wal-Mart, the name of the local grocery store where the family shops, or stop signs and exit signs					
 18. Demonstrates book awareness Concepts about print left to right top to bottom Book handling holding book right side up beginning/ending 	3.3 Demonstrates knowledge of how to use a book				
*Holds and looks at books correctly; for example holds the book right side up and turns the pages one at a time from front to back					
19. Identifies two words that rhyme/sound the same	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of				
*Recognizes rhyming words such as cat and hat	language)				
20. Recognizes 10 alphabet names, may include those in own name, by pointing to requested letter	3.7 Identifies letters or signs in the environment				
*Recognizes and names at least 10 letters of the alphabet					
21. Makes 3 letter/sound matches	3.9 Identifies some letters and makes some letter-sound matches				
*Matches a letter with the beginning sound of a word; for example matches the letter "b" with a picture of a banana					
22. Uses symbols or drawings to express ideas	2.11 Creates drawings and paintings that gradually become more detailed and realistic				
*Expresses ideas through pictures he or she draws; for example a child draws a picture of 3 family members and says who each one is					

KINDERGARTEN READINESS INDICATORS	ARKANSAS EARLY CHILDHOOD EDUCATION BENCHMARKS
Mathe	ematics
23. Counts number of objects in small group (up to 5 objects)	3.14 Demonstrates the ability to order and sequence
*Counts at least 5 objects such as 3 bananas and 5 forks	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)
24. Demonstrates an understanding of number (how many) and numeral relationship by placing correct number of objects to corresponding 0-5 numeral	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)
*See the written numeral "3" and understands this means 3 objects such as 3 bears	
25. Demonstrates an understanding of addition and subtraction using manipulatives up to 5	3.16 Demonstrates an understanding of addition and subtraction using manipulatives
*Adds and subtracts familiar objects such as cookies	
26. Arranges numerals in order 1-5	3.14 Demonstrates the ability to order and sequence
*Puts written numerals in order from 1 to 5: 1, 2, 3, 4, 5	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)
27. Identifies/points to 3 shapes	3.10 Classifies objects by physical features such as shape or color
*Recognizes and names 3 shapes: circle, square and triangle	
28. Counts in sequence 1-10	3.14 Demonstrates the ability to order and sequence
*Counts from 1 to 10 in correct order	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)
29. Understands concepts of more and less up to 5 objects	3.16 Demonstrations an understanding of addition and subtraction using manipulatives
*Uses the words "more" and "less" correctly	

KINDERGARTEN READINESS INDICATORS	ARKANSAS EARLY CHILDHOOD EDUCATION BENCHMARKS
Social/E	motional
30. Identifies self as a boy or girl	3.31 Identifies self as a boy or girl
*Tells if he or she is a boy or girl	
31. Provides/states first and last name	3.32 Identifies self as a member of a specific family and cultural group
*Tells first and last name	
32. Identifies parent's first and last name	3.32 Identifies self as a member of a specific family and cultural group
*Tells first and last name of parent(s)	
33. Identifies age	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a
*Tells how old he or she is	numeral) relationship (numeration)
34. Demonstrates independence in personal care	1.2 Demonstrates independence in personal care
*Takes care of own needs such as toileting, washing hands and dressing	
35. Separates from parents by appearing comfortable and secure without a parent	1.11 Shows ability to separate from parents
*Adjusts to new situations without parents being there	
Physical De	evelopment
36. Uses writing/drawing tools and scissors with control and intention	4.8 Uses writing and drawing tools with control and intention
*Uses pencils, crayons and markers for drawing and writing and cuts with scissors	
37. Reproduces or copies a	4.8 Uses writing and drawing tools with control and intention
• — (line) • O (circle)	
·X	
• + *Draws a line, circle, X and +	
38. Demonstrates gross motor skills (hop, jump, run, catch and bounce ball)	4.10 Throws, kicks, bounces, and catches
*Runs, jumps, hops, throws, catches, and bounces a ball	4.11 Runs, jumps, hops and skips

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Division of Child Care and Early Childhood Education. (2004). Arkansas early childhood education framework handbook. Little Rock, AR: Author.

Continuum of the Arkansas Early Childhood Education Framework Handbook for Three and Four Year Old Children with the Common Core State Standards for English Language Arts Kindergarten Level

Common Core State Standards Initiative is an effort to improve college and career readiness of children across the nation. This was part of a state-led effort to give all students the skills and knowledge they need to succeed. Arkansas has joined the Common Core State Standards (CCSS) Initiative in an effort to improve college and career readiness across the nation. The Arkansas Board of Education voted in July 2010 to adopt the CCSS which is a set of shared learning expectations from state to state in English Language Arts and Mathematics. These standards define the knowledge and skills students should have within their K-12 education careers so that they will graduate high school able to succeed in entry-level, credit-bearing academic college courses and in workforce training programs.

The Common Core State Standards English Language Arts replaced the Arkansas Department of Education Kindergarten English Language Arts Curriculum Framework which was in the previous edition of the AOM. The move to CCSS began in the 2011-12 school year in Arkansas with implementation in Kindergarten through 2nd Grade. Grades 3-8 implement CCSS in 2012-13, Grades 9-12 implement in the 2013-14 school year, and common assessments in 2014-15.

In the left column, the AECE Benchmarks is connected to the appropriate Common Core Standard in the right column.

	AECE Benchmarks		Common Core State Standards
Benchmark		Strand	Standard
1.1	Demonstrates ability to make choices	Writing	With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers. (CC.K.W.6)
1.4	Shows curiosity and desire to learn	Speaking and Listening	 Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood. (CC.K.SL.2)
1.12	Demonstrates interest and participates in classroom activities	Reading for Literature	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)
1.15	Understands and respects differences	Speaking and Listening	 Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood. (CC.K.SL.2)
1.18	Respects the rights of others	Speaking and Listening	 Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion). (CC.K.SL.1.a)
1.22	Shares, takes turns	Speaking and Listening	 Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion). (CC.K.SL.1.a)
		Reading for Literature	10. Actively engages in group reading activities with purpose and understanding. (CC.K.RL.10)
		Reading for Informational Text	10. Actively engages in group reading activities with purpose and understanding (CC.K.R.I.10)
		Speaking and Listening	 Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion). (CC.K.SL.1.a)

AECE Benchmarks		Common Core State Standards
Benchmark	Strand	Standard
1.23 Follows rules	Speaking and listening	 Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion). (CC.K.SL.1.a)
	Reading for Literature	10. Actively engages in group reading activities with purpose and understanding. (CC.K.RL.10)
	Reading for Informational Text	10. Actively engages in group reading activities with purpose and understanding (CC.K.R.I.10)
1.26 Expresses thoughts and feelings in words	Speaking and Listening	4. Describe familiar people, places, things, and events and, with prompting and support, provide additional detail. (CC.K.SL.4)
		6. Speak audibly and express thoughts, feelings, and ideas clearly (CC.K.SL.6)
	Language	 Demonstrate command of the conventions of standard English grammar and usage when writing or speaking (CC.K.L1)
	Reading for Informational Text	10. Actively engage in group reading activities with purpose and understanding. (CC.K.R.I.10)
1.27 Identifies and understands others' emotions and intentions	Reading for Informational Text	8. Integration of Knowledge and Ideas: With prompting and support, identify the reasons an author gives to support points in a text. (CC.K.R.I.8)
1.28 Seeks support from others when needs assistance	Speaking and Listening	 Ask and answer questions in order to seek help, get information, or clarify something that is not understood. (CC.K.SL.3)
	Writing	 With guidance and support from adults, responds to questions and suggestions from peers and add details to strengthen writing as needed. (CC.K.W.5)
		With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question. (CC.K.W.8)
1.29 Expresses strong emotions	Speaking and Listening	6. Speak audibly and express thoughts, feelings, and ideas clearly. (CC.K.SL.6)
constructively	Writing	7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them.) (CC.K.W.7)
1.30 Pays attention	Reading for Informational Text	2. With prompting and support, identify the mail topic and retell key details of a text. (CC.K.R.I.2)
	Language	5d. Distinguish shades of meaning among verbs describing the same general action (e.g., walk, march, strut, prance) by acting out the meanings (CC.K.L.5.d)
	Reading for Literature	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)

AECE Benchmarks		Common Core State Standards		
Benchmark		Strand	Standard	
1.32	Practices new skill	Language	1c. Form regular plural nouns orally by adding /s/ or /es/ (e.g., dog, dogs, wish, wishes). (CC.K.L.1.c)	
		Reading for Informational Text	2. With prompting and support, identify main topic and retell key details of a text. (CC.K.R.I.2)	
2.1	Shows creativity and imagination in play with materials and props	Reading for Literature	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)	
		Speaking and Listening	 Describe familiar people, places, things, and events and, with prompting and support, provide additional detail. (CC.K.SL.4) 	
			5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	
2.2	Participates in dramatic play themes that become more	Reading for Informational Text	 With prompting and support, identify basic similarities in and differences between two texts on the same topic (e.g., in illustrations, descriptions, or procedures). (CC.K.R.I.9) 	
	involved and complex	Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	
2.3	Assumes various roles in dramatic play situations	Reading for Informational Text	10. Actively engage in group reading activities with purpose and understanding. (CC.K.R.I.10)	
		Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	
2.4	Participates freely in music activities	Speaking and Listening	Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood. (CC.K.SL.2)	
			5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	
2.5	Enjoys singing games, dramatizing songs and moving to music	Reading: Foundational Skills	4. Read emergent-reader texts with purpose and understanding. (CC.K.RF.4)	
		Reading for Literature	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)	
		Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	
2.6	Expresses through movement what is felt and heard in various musical tempos and styles	Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	
2.7	Experiments with a variety of musical instruments and sound sources	Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	
2.8	Identifies the source of a variety of sounds	Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	
2.9	Moves in time to the beat	Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	

	AECE Benchmarks		Common Core State Standards
Benchmark		Strand	Standard
2.10	Explores and manipulates art media	Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)
2.11	Creates drawings and paintings that gradually become more detailed and realistic	Reading for Literature	 With prompting and support, identify characters, settings, and major events in a story. (CC.K.RL.3) Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)
		Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)
		Writing	Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell a reader the topic or the name of the book they are writing about and state an opinion or preference about the topic or book (e.g., My favorite book is). (CC.K.W.1)
			2. Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic. (CC.K.W.2)
			3. Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened. (CC.K.W.3)
			6. With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers. (CC.K.W.6)
2.12	Preplans art project and then works with care	Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)
2.13	Recognizes and responds to beauty in the environment	Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)
3.1	Shows enjoyment of books and stories and discussion of them	Language	1f. Produce and expand complete sentences in shared language activities. (CC.K.L.1.f)
			5. With guidance and support from adults, explore word relationships and nuances in word meanings. (CC.K.L.5)
			Use words and phrases acquired through conversations, reading and being read to, and responding to texts. (CC.K.L.6)
		Reading: Foundational Skills	4. Read emergent-reader texts with purpose and understanding. (CC.K.RF.4)

AECE Benchmarks	Common Core State Standards	
Benchmark	Strand	Standard
Benchmark 3.1, con't	Reading for Informational Text	 With prompting and support, ask and answer questions about key details in a text. (CC.K.R.I.1) With prompting and support, identify the main topic and retell key details of a text. (CC.K.R.I.2) With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text. (CC.K.R.I.3) With prompting and support, ask and answer questions about unknown words in a text. (CC.K.R.I.4) Name the author and illustrator of a text and define the role of each in presenting the ideas or information in a text. (CC.K.R.I.6) With prompting and support, describe the relationship between illustrations and the text in which they appear (e.g., what person, place, thing, or idea in the text an illustration depicts). (CC.K.R.I.7) Integration of Knowledge and Ideas: With prompting and support, identify the reasons an author gives to support points in a text. (CC.K.R.I.8) With prompting and support, identify basic similarities in and differences between two texts on the same
	Reading for Literature	 topic (e.g., in illustrations, descriptions, or procedures). (CC.K.R.I.9) Actively engage in group reading activities with purpose and understanding. (CC.K.R.I.10) With prompting and support, ask and answer questions about key details in a text. (CC.K.RL.1) With prompting and support, identify characters, settings, and major events in a story. (CC.K.RL.3) Recognize common types of texts (e.g., storybooks, poems). (CC.K.RL.5) With prompting and support, name the author and illustrator of a story and define the role of each in telling the story. (CC.K.RL.6) With prompting and support, describe the relationship between illustrations and the story in which they appear (e.g., what moment in a story an illustration depicts). (CC.K.RL.7)
	Speaking and Listening	 Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10) Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion). (CC.K.SL.1.a) Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood. (CC.K.SL.2) Ask and answer questions in order to seek help, get information, or clarify something that is not understood. (CC.K.SL.3) Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5) Speak audibly and express thoughts, feelings, and ideas clearly. (CC.K.SL.6)

AECE Benchmarks		Common Core State Standards		
Bend	chmark	Strand	Standard	
Benchmark 3.1, con't		Writing	5. With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed. (CC.K.W.5)	
			7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them). (CC.K.W.7)	
			8. With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question. (CC.K.W.8)	
3.2	Uses picture cues to tell a story	Language	Use words and phrases acquired through conversations, reading and being read to, and responding to texts. (CC.K.L.6)	
		Reading for	2. With prompting and support, identify the main topic and retell key details of a text. (CC.K.R.I.2)	
		Informational Text	3. With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text. (CC.K.R.I.3)	
			4. With prompting and support, ask and answer questions about unknown words in a text. (CC.K.R.I.4)	
			7. With prompting and support, describe the relationship between illustrations and the text in which they appear (e.g., what person, place, thing, or idea in the text an illustration depicts). (CC.K.R.I.7)	
		Reading for Literature	2. With prompting and support, retell familiar stories, including key details. (CC.K.RL.2)	
			3. With prompting and support, identify characters, settings, and major events in a story. (CC.K.RL.3)	
		Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	
			6. Speak audibly and express thoughts, feelings, and ideas clearly. (CC.K.SL.6)	
		Writing	Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened. (CC.K.W.3)	
			7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them). (CC.K.W.7)	
3.3	Demonstrates knowledge of how to use a book	Reading: Foundational Skills	Demonstrate understanding of the organization and basic features of print. (CC.K.RF.1)	
			1a. Follow words from left to right, top to bottom, and page by page. (CC.K.RF.1.a)	
			4. Read emergent-reader texts with purpose and understanding. (CC.K.RF.4)	
		Reading for Informational Text	5. Identify the front cover, back cover, and title page of a book. (CC.K.R.I.5)	
			6. Name the author and illustrator of a text and define the role of each in presenting the ideas or information in a text. (CC.K.R.I.6)	
		Reading for Literature	6. With prompting and support, name the author and illustrator of a story and define the role of each in telling the story. (CC.K.RL.6)	

AECE Benchmarks		Common Core State Standards		
Benchmark		Strand	Standard	
Benchmark 3.3, con't		Writing	7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them). (CC.K.W.7)	
3.4	Demonstrates visual discrimination and visual memory skills	Language	5a. Sort common objects into categories (e.g., shapes, foods) to gain a sense of the concepts the categories represent. (CC.K.L.5.a)	
		Reading: Foundational Skills	4. Read emergent-reader texts with purpose and understanding. (CC.K.RF.4)	
3.5	Understands that print conveys a message	Language	 Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. (CC.K.L.1) Print many upper- and lowercase letters. (CC.K.L.1.a) Form regular plural nouns orally by adding /s/ or /es/ (e.g., dog, dogs; wish, wishes). (CC.K.L.1.c) Use the most frequently occurring prepositions (e.g., to, from, in, out, on, off, for, of, by, with). (CC.K.L.1.e) 	
		Reading: Foundational Skills	 Demonstrate understanding of the organization and basic features of print. (CC.K.RF.1) Recognize that spoken words are represented in written language by specific sequences of letters. (CC.K.RF.1.b) Understand that words are separated by spaces in print. (CC.K.RF.1.c) Read common high-frequency words by sight. (e.g., the, of, to, you, she, my, is, are, do, does). (CC.K.RF.3.c) 	
		Reading for Informational Text	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RI.10)	
		Reading for Literature	5. Recognize common types of texts (e.g., storybooks, poems). (CC.K.RL.5)	
		Writing	Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell a reader the topic or the name of the book they are writing about and state an opinion or preference about the topic or book (e.g., My favorite book is). (CC.K.W.1)	
			 Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic. (CC.K.W.2) Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened. (CC.K.W.3) 	
			 With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed. (CC.K.W.5) 	
			7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them). (CC.K.W.7)	

	AECE Benchmarks		Common Core State Standards
Benchmark		Strand	Standard
3.6	Demonstrates an interest in using writing for a purpose	Language	 Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. (CC.K.L.1) Print many upper- and lowercase letters. (CC.K.L.1.a) Use words and phrases acquired through conversations, reading and being read to, and responding to texts. (CC.K.L.6)
		Reading: Foundational Skills	3a. Demonstrate basic knowledge of letter-sound correspondences by producing the primary or most frequent sound for each consonant. (CC.K.RF.3.a)
		Reading for Literature	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)
		Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)
		Writing	1. Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell a reader the topic or the name of the book they are writing about and state an opinion or preference about the topic or book (e.g., My favorite book is). (CC.K.W.1)
			2. Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic. (CC.K.W.2)
			3. Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened. (CC.K.W.3)
			5. With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed. (CC.K.W.5)
			6. With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers. (CC.K.W.6)
			7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them). (CC.K.W.7)
3.7	environment .	Language	1a. Print many upper- and lowercase letters. (CC.K.L.1.a)
			5a. Sort common objects into categories (e.g., shapes, foods) to gain a sense of the concepts the categories represent. (CC.K.L.5.a)
		Reading: Foundational Skills	1c. Understand that words are separated by spaces in print. (CC.K.RF.1.c)
			1b. Recognize that spoken words are represented in written language by specific sequences of letters. (CC.K.RF.1.b)
			1d. Recognize and name all upper- and lowercase letters of the alphabet. (CC.K.RF.1.d)
			3c. Read common high-frequency words by sight. (e.g., the, of, to, you, she, my, is, are, do, does). (CC.K.RF.3.c)

AECE Benchmarks	Common Core State Standards			
Benchmark	Strand Standard			
Benchmark 3.7, con't	Reading for Informational Text	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RI.10)		
	Reading for Literature	5. Recognize common types of texts (e.g., storybooks, poems). (CC.K.RL.5)		
	Writing	 Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic. (CC.K.W.2) Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them). (CC.K.W.7) 		
3.8 Uses known letters or approximation of letters to represent written language	Language	 Print many upper- and lowercase letters. (CC.K.L.1.a) Understand and use question words (interrogatives) (e.g., who, what, where, when, why, how). (CC.K.L.1.d) Produce and expand complete sentences in shared language activities. (CC.K.L.1.f) Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing. (CC.K.L.2) Capitalize the first word in a sentence and the pronoun I. (CC.K.L.2.a) Recognize and name end punctuation. (CC.K.L.2.b) Write a letter or letters for most consonant and short-vowel sounds (phonemes). (CC.K.L.2.c) Spell simple words phonetically, drawing on knowledge of sound-letter relationships. (CC.K.L.2.d) 		
	Reading: Foundational Skills	 Demonstrate understanding of the organization and basic features of print. (CC.K.RF.1) Demonstrate basic knowledge of letter-sound correspondences by producing the primary or most frequent sound for each consonant. (CC.K.RF.3.a) Read common high-frequency words by sight. (e.g., the, of, to, you, she, my, is, are, do, does). (CC.K.RF.3.c) 		
	Writing	 Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell a reader the topic or the name of the book they are writing about and state an opinion or preference about the topic or book (e.g., My favorite book is). (CC.K.W.1) Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic. (CC.K.W.2) Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened. (CC.K.W.3) With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed. (CC.K.W.5) With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers. (CC.K.W.6) 		

	AECE Benchmarks		Common Core State Standards
Bend	chmark	Strand	Standard
3.9	Identifies some letters and makes	Language	2c. Write a letter or letters for most consonant and short-vowel sounds (phonemes). (CC.K.L.2.c)
	some letter-sound matches	Reading: Foundational Skills	1d. Recognize and name all upper- and lowercase letters of the alphabet. (CC.K.RF.1.d)3a. Demonstrate basic knowledge of letter-sound correspondences by producing the primary or most frequent sound for each consonant. (CC.K.RF.3.a)
		Reading for Informational Text	4. With prompting and support, ask and answer questions about unknown words in a text. (CC.K.RI.4)
		Reading for Literature	4. Ask and answer questions about unknown words in a text. (CC.K.RL.4)
3.10	Classifies objects by physical features such as shape or color	Language	5a. Sort common objects into categories (e.g., shapes, foods) to gain a sense of the concepts the categories represent. (CC.K.L.5.a)
3.11	Classifies objects conceptually (things that go together)	Language	5a. Sort common objects into categories (e.g., shapes, foods) to gain a sense of the concepts the categories represent. (CC.K.L.5.a)
3.12	Recognizes patterns and can repeat them (patterning)	Reading: Foundational Skills	4. Read emergent-reader texts with purpose and understanding. (CC.K.RF.4)
		Reading for Informational Text	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RI.10)
3.13	Demonstrates one-to-one	Reading: Foundational Skills	Demonstrate understanding of the organization and basic features of print. (CC.K.RF.1)
	correspondence		1b. Recognize that spoken words are represented in written language by specific sequences of letters. (CC.K.RF.1.b)
			1c. Understand that words are separated by spaces in print. (CC.K.RF.1.c)
			 Demonstrate understanding of spoken words, syllables, and sounds (phonemes). (CC.K.RF.2) Demonstrate basic knowledge of letter-sound correspondences by producing the primary or most
			frequent sound for each consonant. (CC.K.RF.3.a)
3.19	Shows interest in exploring the environment	Writing	7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them). (CC.K.W.7)
3.20	Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing)	Writing	7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them). (CC.K.W.7)
3.21	Uses words to describe the characteristics of objects (scientific process: communicating)	Writing	7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them). (CC.K.W.7)

AECE Benchmarks		Common Core State Standards
Benchmark	Strand	Standard
3.23 Shows awareness of cause-effect relationships	Writing	7. Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them). (CC.K.W.7)
3.26 Discusses natural events in the environment	Reading for Literature	With prompting and support, ask and answer questions about key details in a text (CC.K.RL.1)
3.41 Independently applies technology and tools to address a variety of	Speaking and Listening	 Add drawings or other visual displays to descriptions as desired to provide additional details. (CC.K.SL.5).
tasks and problems	Writing	With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers. (CC.K.W.6)
3.42 Shows awareness of technology and tools and their impact on how	Language	5c. Identify real-life connections between words and their use (e.g., note places at school that are colorful). (CC.K.L.5.c)
people live	Reading for Literature	With prompting and support, name the author and illustrator of a story and define the role of each in telling the story (CC.K.R.K.6)
	Speaking and Listening	Describe familiar people, places, things, and events and, with prompting and support, provide additional detail. (CC.K.SL.4)
3.43 Identifies purpose of common technologies and tools	Writing	Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell a reader the topic or the name of the book they are writing about and state a opinion or preference about the topic or book (e.g., My favorite book is). (CC.K.W.1)
		2. Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic. (CC.K.W.2)
		3. Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened. (CC.K.W.3)
3.44 Demonstrates the safe and	Language	1a. Print many upper-and lowercase letters. (CC.K.L.1.a)
cooperative use of technology and tools	Reading: Foundational Skills	1a. Follow words from left to right, top to bottom, and page by page. (CC.K.RF.1.a)
	Speaking and Listening	5. Add drawings or other displays to descriptions as desired to provide additional details (CC.K.SL.5)

	AECE Benchmarks		Common Core State Standards
Bend	chmark	Strand	Standard
Bend	chmark 3.44, con't	Writing	Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell a reader the topic or the name of the book they are writing about and state a opinion or preference about the topic or book (e.g., My favorite book is). (CC.K.W.1)
			2. Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic. (CC.K.W.2)
			3. Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened. (CC.K.W.3)
			6. With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers. (CC.K.W.6)
3.45	Communicates about technology and tools using developmentally appropriate and accurate terminology	Language	 1f. Produce and expand complete sentences in shared language activities. (CC.K.L.1.f) 6. Use words and phrases acquired through conversations, reading and being read to, and responding to texts. (CC.K.L.6)
4.8	Uses writing and drawing tools with control and intention	Language	1a. Print many upper- and lowercase letters. (CC.K.L.1.a)
			Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing. (CC.K.L.2)
5.1	Demonstrates phonological awareness (hearing and recognizing the sounds of language)	Language	Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. (CC.K.L.1)
			1f. Produce and expand complete sentences in shared language activities. (CC.K.L.1.f)
			4b. Use the most frequently occurring inflections and affixes (e.g., -ed, -s, re-, un-, pre-, -ful, -less) as a clue to the meaning of an unknown word. (CC.K.L.4.b)
			5d. Distinguish shades of meaning among verbs describing the same general action (e.g., walk, march, strut, prance) by acting out the meanings. (CC.K.L.5.d)

	AECE Benchmarks		Common Core State Standards
Ben	chmark	Strand	Standard
	chmark 5.1, con't	Reading: Foundational Skills	 Demonstrate understanding of the organization and basic features of print. (CC.K.RF.1) Recognize that spoken words are represented in written language by specific sequences of letters. (CC.K.RF.1.b) Demonstrate understanding of spoken words, syllables, and sounds (phonemes). (CC.K.RF.2) Recognize and produce rhyming words. (CC.K.RF.2.a) Count, pronounce, blend, and segment syllables in spoken words. (CC.K.RF.2.b) Blend and segment onsets and rimes of single-syllable spoken words. (CC.K.RF.2.c) Isolate and pronounce the initial, medial vowel, and final sounds (phonemes) in three-phoneme (consonant-vowel-consonant, or CVC) words.*(This does not include CVCs ending with /l/, /r/,or /x/.) (CC.K.RF.2.d) Add or substitute individual sounds (phonemes) in simple, one-syllable words to make new words. (CC.K.RF.2.e) Know and apply grade-level phonics and word analysis skills in decoding words. (CC.K.RF.3) Demonstrate basic knowledge of letter-sound correspondences by producing the primary or most frequent sound for each consonant. (CC.K.RF.3.a) Associate the long and short sounds with the common spellings (graphemes) for the five major vowels. (CC.K.RF.3.b) Distinguish between similarly spelled words by identifying the sounds of the letters that differ. (CC.K.RF.3.d)
		Reading for Literature	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)
		Speaking and Listening	 Describe familiar people, places, things, and events and, with prompting and support, provide additional detail. (CC.K.SL.4) Speak audibly and express thoughts, feelings, and ideas clearly. (CC.K.SL.6)
5.2	Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammer	Speaking and Listening	 Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups. (CC.K.SL.1) Continue a conversation through multiple exchanges. (CC.K.SL.1.b) Ask and answer questions in order to seek help, get information, or clarify something that is not understood. (CC.K.SL.3) Describe familiar people, places, things, and events and, with prompting and support, provide additional detail. (CC.K.SL.4) Speak audibly and express thoughts, feelings, and ideas clearly. (CC.K.SL.6)

	AECE Benchmarks		Common Core State Standards
Benchmark		Strand	Standard
5.3	Expands vocabulary	Language	 1b. Use frequently occurring nouns and verbs. (CC.K.L.1.b) 4a. Identify new meanings for familiar words and apply them accurately (e.g., knowing duck is a bird and learning the verb to duck). (CC.K.L.4.a) 5. With guidance and support from adults, explore word relationships and nuances in word meanings. (CC.K.L.5) 5b. Demonstrate understanding of frequently occurring verbs and adjectives by relating them to their opposites (antonyms). (CC.K.L.5.b) 5d. Distinguish shades of meaning among verbs describing the same general action (e.g., walk, march, strut, prance) by acting out the meanings. (CC.K.L.5.d) 6. Use words and phrases acquired through conversations, reading and being read to, and responding to texts. (CC.K.L.6)
		Reading for Literature	4. Ask and answer questions about unknown words in a text. (CC.K.RL.4)
5.4	Recognizes and identifies by name most common objects and pictures	Language	 4a. Identify new meanings for familiar words and apply them accurately (e.g., knowing duck is a bird and learning the verb to duck). (CC.K.L.4.a) 5a. Sort common objects into categories (e.g., shapes, foods) to gain a sense of the concepts the categories represent. (CC.K.L.5.a) 5c. Identify real-life connections between words and their use (e.g., note places at school that are colorful). (CC.K.L.5.c)
		Reading for Literature	7. With prompting and support, describe the relationship between illustrations and the story in which they appear (e.g., what moment in a story an illustration depicts). (CC.K.RL.7)
		Speaking and Listening	5. Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)
5.5	Participates in songs, fingerplays, rhyming activities, and games	Language	 5d. Distinguish shades of meaning among verbs describing the same general action (e.g., walk, march, strut, prance) by acting out the meanings. (CC.K.L.5.d) 6. Use words and phrases acquired through conversations, reading and being read to, and responding to texts. (CC.K.L.6)

AECE Benchmarks	Common Core State Standards	
Benchmark	Strand	Standard
Benchmark 5.5, con't	Reading: Foundational Skills	 Demonstrate understanding of spoken words, syllables, and sounds (phonemes). (CC.K.RF.2) Recognize and produce rhyming words. (CC.K.RF.2.a) Count, pronounce, blend, and segment syllables in spoken words. (CC.K.RF.2.b) Blend and segment onsets and rimes of single-syllable spoken words. (CC.K.RF.2.c) Demonstrate basic knowledge of letter-sound correspondences by producing the primary or most frequent sound for each consonant. (CC.K.RF.3.a) Distinguish between similarly spelled words by identifying the sounds of the letters that differ. (CC.K.RF.3.d) Read emergent-reader texts with purpose and understanding. (CC.K.RF.4)
	Reading for Informational Text	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RI.10)
	Reading for Literature	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)
	Speaking and Listening	1b. Continue a conversation through multiple exchanges. (CC.K.SL.1.b)
		 Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood. (CC.K.SL.2)
5.6 Uses words to communicate ideas	Language	 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on kindergarten reading and content. (CC.K.L.4)
		Use words and phrases acquired through conversations, reading and being read to, and responding to texts. (CC.K.L.6)
	Reading: Foundational Skills	4. Read emergent-reader texts with purpose and understanding. (CC.K.RF.4)
	Reading for Informational Text	 With prompting and support, ask and answer questions about key details in a text. (CC.K.RI.1) With prompting and support, identify the main topic and retell key details of a text. (CC.K.RI.2)
	Reading for Literature	 With prompting and support, ask and answer questions about key details in a text. (CC.K.RL.1) Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)

AECE Benchmarks		Common Core State Standards
Benchmark	Strand	Standard
Benchmark 5.6, con't	Speaking and Listening	Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups. (CC.K.SL.1)
		1b. Continue a conversation through multiple exchanges. (CC.K.SL.1.b)
		 Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood. (CC.K.SL.2)
		 Ask and answer questions in order to seek help, get information, or clarify something that is not understood. (CC.K.SL.3)
		4. Describe familiar people, places, things, and events and, with prompting and support, provide additional detail. (CC.K.SL.4)
		6. Speak audibly and express thoughts, feelings, and ideas clearly. (CC.K.SL.6)
5.7 Engages in two-way conversation with children and adults	Language	5. With guidance and support from adults, explore word relationships and nuances in word meanings. (CC.K.L.5)
		 Use words and phrases acquired through conversations, reading and being read to, and responding to texts. (CC.K.L.6)
	Reading for Informational Text	1. With prompting and support, ask and answer questions about key details in a text. (CC.K.RI.1)
	Reading for Literature	1. With prompting and support, ask and answer questions about key details in a text. (CC.K.RL.1) 10. Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)
	Speaking and Listening	Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups. (CC.K.SL.1)
		1a. Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion). (CC.K.SL.1.a)
		1b. Continue a conversation through multiple exchanges. (CC.K.SL.1.b)
		 Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood. (CC.K.SL.2)
		3. Ask and answer questions in order to seek help, get information, or clarify something that is not understood. (CC.K.SL.3)

AECE Benchmarks		Common Core State Standards		
Ben	chmark	Strand	Standard	
5.8	Participates in group discussion	Language	1f. Produce and expand complete sentences in shared language activities. (CC.K.L.1.f)	
		Reading for Informational Text	With prompting and support, ask and answer questions about key details in a text. (CC.K.RI.1)	
		Reading for Literature	10. Actively engage in group reading activities with purpose and understanding. (CC.K.RL.10)	
		Speaking and Listening	Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups. (CC.K.SL.1)	
			1a. Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion). (CC.K.SL.1.a)	
			1b. Continue a conversation through multiple exchanges. (CC.K.SL.1.b)	
			3. Ask and answer questions in order to seek help, get information, or clarify something that is not understood. (CC.K.SL.3)	
			4. Describe familiar people, places, things, and events and, with prompting and support, provide additional detail. (CC.K.SL.4)	
			6. Speak audibly and express thoughts, feelings, and ideas clearly. (CC.K.SL.6)	
		Writing	With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed. (CC.K.W.5)	
5.9	Uses language to problem solve	Reading for Informational Text	With prompting and support, ask and answer questions about key details in a text. (CC.K.RI.1)	
		Speaking and Listening	1a. Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion). (CC.K.SL.1.a)	
			3. Ask and answer questions in order to seek help, get information, or clarify something that is not understood. (CC.K.SL.3)	
			4. Describe familiar people, places, things, and events and, with prompting and support, provide additional detail. (CC.K.SL.4)	
			6. Speak audibly and express thoughts, feelings, and ideas clearly. (CC.K.SL.6)	
		Writing	5. With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed. (CC.K.W.5)	
5.10	Follows directions in sequence	Speaking and Listening	Ask and answer questions in order to seek help, get information, or clarify something that is not understood. (CC.K.SL.3)	

AECE Benchmarks		Common Core State Standards
Benchmark	Strand	Standard
5.11 Tells a story	Speaking and Listening	Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups. (CC.K.SL.1)
		 Follow agreed-upon rules for discussions (e.g., listening to others and taking turns speaking about the topics and texts under discussion). (CC.K.SL.1.a)
		1b. Continue a conversation through multiple exchanges. (CC.K.SL.1.b)
		 Ask and answer questions in order to seek help, get information, or clarify something that is not understood. (CC.K.SL.3)
		 Describe familiar people, places, things, and events and, with prompting and support, provide additional detail. (CC.K.SL.4) Speak audibly and express thoughts, feelings, and ideas clearly. (CC.K.SL.6)
	Language	Uses words and phrases acquired through conversations, reading and being read to, and responding to texts. (CC.K.L.6)
	Reading for Informational Text	 With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text. (CC.K.RI.2)
		7. With prompting and support, describe the relationship between illustrations and the text in which they appear (e.g. what person, place, thing, or idea in the text an illustration depicts) (CC.K.RI.7)
		10. Actively engage in group reading activities with purposes and understanding. (CC.K.RI.10)

Continuum in Reverse Order: Common Core State Standards for English Language Arts Kindergarten Level with the Arkansas Early Childhood Education Framework Handbook for Three and Four Year Old Children

	Common Core State Standards	AECE Benchmarks		
La	Language			
1.	Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. (CC.K.L.1)	3.5 Understands that print conveys a message		
		3.6 Demonstrates an interest in using writing for a purpose		
	,	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)		
1a	Print many upper- and lowercase letters. (CC.K.L.1.a)	3.5 Understands that print conveys a message		
		3.6 Demonstrates an interest in using writing for a purpose		
		3.7 Identifies letters and signs in the environment		
		3.8 Uses known letters or approximation of letters to represent written language		
		3.44 Demonstrates the safe and cooperative use of technology and tools		
		4.8 Uses writing and drawing tools with control and intention		
1b.	Use frequently occurring nouns and verbs. (CC.K.L.1.b)	5.3 Expands vocabulary		
1c.	Form regular plural nouns orally by adding /s/ or /es/ (e.g., dog, dogs; wish, wishes). (CC.K.L.1.c)	1.32 Practices new skill		
		3.5 Understands that print conveys a message		
1d.	Understand and use question words (interrogatives) (e.g., who, what, where, when, why, how). (CC.K.L.1.d)	3.8 Uses known letters or approximation of letters to represent written language		
1e.	Use the most frequently occurring prepositions (e.g., to, from, in, out, on, off, for, of, by, with). (CC.K.L.1.e)	3.5 Understands that print conveys a message		
1f.	Produce and expand complete sentences in shared	3.1 Shows enjoyment of books and stories and discussion of them		
	language activities. (CC.K.L.1.f)	3.45 Communicates about technology and tools using developmentally appropriate and accurate terminology		
		3.8 Uses known letters or approximation of letters to represent written language		
		5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)		
		5.8 Participates in group discussion		
2.	Demonstrate command of the conventions of standard	3.8 Uses known letters or approximation of letters to represent written language		
	English capitalization, punctuation, and spelling when writing. (CC.K.L.2)	4.8 Uses writing and drawing tools with control and intention		
2a.	Capitalize the first word in a sentence and the pronoun I. (CC.K.L.2.a)	3.8 Uses known letters or approximation of letters to represent written language		

	Common Core State Standards	AECE Benchmarks
2b.	Recognize and name end punctuation. (CC.K.L.2.b)	3.8 Uses known letters or approximation of letters to represent written language
2c.	Write a letter or letters for most consonant and short-vowel	3.8 Uses known letters or approximation of letters to represent written language
	sounds (phonemes). (CC.K.L.2.c)	3.9 Identifies some letters and makes some letter-sound matches
2d.	Spell simple words phonetically, drawing on knowledge of sound-letter relationships. (CC.K.L.2.d)	3.8 Uses known letters or approximation of letters to represent written language
4.	Determine or clarify the meaning of unknown and multiple- meaning words and phrases based on kindergarten reading and content. (CC.K.L.4)	5.6 Uses words to communicate ideas
4a.	Identify new meanings for familiar words and apply them	5.3 Expands vocabulary
	accurately (e.g., knowing duck is a bird and learning the verb to duck). (CC.K.L.4.a)	5.4 Recognizes and identifies by name most common objects and pictures
4b.	Use the most frequently occurring inflections and affixes (e.g., -ed, -s, re-, un-, pre-, -ful, -less) as a clue to the meaning of an unknown word. (CC.K.L.4.b)	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
5.	With guidance and support from adults, explore word relationships and nuances in word meanings. (CC.K.L.5)	3.1 Shows enjoyment of books and stories and discussion of them
		5.3 Expands vocabulary
		5.7 Engages in two-way conversation with children and adults
5a.	Sort common objects into categories (e.g., shapes, foods) to gain a sense of the concepts the categories represent. (CC.K.L.5.a)	3.4 Demonstrates visual discrimination and visual memory skills
		3.7 Identifies letters and signs in the environment
		3.10 Classifies objects by physical features such as shape or color
		3.11 Classifies objects conceptually (things that go together)
		5.4 Recognizes and identifies by name most common objects and pictures
5b.	Demonstrate understanding of frequently occurring verbs and adjectives by relating them to their opposites (antonyms). (CC.K.L.5.b)	5.3 Expands vocabulary
5c.	Identify real-life connections between words and their use	5.4 Recognizes and identifies by name most common objects and pictures
	(e.g., note places at school that are colorful). (CC.K.L.5.c)	3.42 Shows awareness of technology and tools and their impact on how people live
5d.	Distinguish shades of meaning among verbs describing the	1.30 Pays attention
	same general action (e.g., walk, march, strut, prance) by acting out the meanings. (CC.K.L.5.d)	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
		5.3 Expands vocabulary
		5.5 Participates in songs, fingerplays, rhyming activities, and games

	Common Core State Standards	AECE Benchmarks
6.	Use words and phrases acquired through conversations, reading and being read to, and responding to texts. (CC.K.L.6)	3.1 Shows enjoyment of books and stories and discussion of them
		3.2 Uses picture cues to tell a story
		3.6 Demonstrates an interest in using writing for a purpose
		3.45 Communicates about techology and tools using developmentally appropriate and accurate terminology
		5.3 Expands vocabulary
		5.5 Participates in songs, fingerplays, rhyming activities, and games
		5.6 Uses words to communicate ideas
		5.7 Engages in two-way conversation with children and adults
		5.11 Tells a story
R	eading for Informational Text	
1.	With prompting and support, ask and answer questions	3.1 Shows enjoyment of books and stories and discussion of them
	about key details in a text. (CC.K.RI.1)	5.6 Uses words to communicate ideas
		5.7 Engages in two-way conversation with children and adults
		5.8 Participates in group discussion
		5.9 Uses language to problem solve
2.	With prompting and support, identify the main topic and	1.30 Pays attention
	retell key details of a text. (CC.K.RI.2)	1.32 Practices new skill
		3.1 Shows enjoyment of books and stories and discussion of them
		3.2 Uses picture cues to tell a story
		5.6 Uses words to communicate ideas
3.	With prompting and support, describe the connection	3.1 Shows enjoyment of books and stories and discussion of them
	between two individuals, events, ideas, or pieces of information in a text. (CC.K.RI.3)	3.2 Uses picture cues to tell a story
	,	5.11 Tells a story
4.	With prompting and support, ask and answer questions	3.1 Shows enjoyment of books and stories and discussion of them
	about unknown words in a text. (CC.K.RI.4)	3.2 Uses picture cues to tell a story
L		3.9 Identifies some letters and makes some letter-sound matches
5.	Identify the front cover, back cover, and title page of a book. (CC.K.RI.5)	3.3 Demonstrates knowledge of how to use a book

	Common Core State Standards	AECE Benchmarks
6.	Name the author and illustrator of a text and define the role of each in presenting the ideas or information in a text. (CC.K.RI.6)	3.1 Shows enjoyment of books and stories and discussion of them
		3.3 Demonstrates knowledge of how to use a book
7.	With prompting and support, describe the relationship	3.1 Shows enjoyment of books and stories and discussion of them
	between illustrations and the text in which they appear (e.g., what person, place, thing, or idea in the text an illustration	3.2 Uses picture cues to tell a story
	depicts). (CC.K.RI.7)	5.11 Tells a story
8.	Integration of Knowledge and Ideas: With prompting and support, identify the reasons an author gives to support points in a text. CC.K.RI.8	3.1 Shows enjoyment of books and stories and discussion of them
9.	With prompting and support, identify basic similarities in and	2.2 Participates in dramatic play themes that become more involved and complex
	differences between two texts on the same topic (e.g., in illustrations, descriptions, or procedures). (CC.K.RI.9)	3.1 Shows enjoyment of books and stories and discussion of them
10.	Actively engage in group reading activities with purpose and	2.3 Assumes various roles in dramatic play situations
	understanding. (CC.K.RI.10)	3.1 Shows enjoyment of books and stories and discussion of them
		3.5 Understands that print conveys a message
		3.7 Identifies letters and signs in the environment
		3.12 Recognizes patterns and can repeat them (patterning)
		5.5 Participates in songs, fingerplays, rhyming activities, and games
		5.11 Tells a story
R	eading for Literature	
1.	With prompting and support, ask and answer questions	3.1 Shows enjoyment of books and stories and discussion of them
	about key details in a text. (CC.K.RL.1)	3.26 Discusses natural events in the environment
		5.6 Uses words to communicate ideas
		5.7 Engages in two-way conversation with children and adults
2.	With prompting and support, retell familiar stories, including key details. (CC.K.RL.2)	3.2 Uses picture cues to tell a story
3.	With prompting and support, identify characters, settings,	2.11 Creates drawings and paintings that gradually become more detailed and realistic
	and major events in a story. (CC.K.RL.3)	3.1 Shows enjoyment of books and stories and discussion of them
		3.2 Uses picture cues to tell a story

	Common Core State Standards	AECE Benchmarks
4.	Ask and answer questions about unknown words in a text. (CC.K.RL.4)	1.28 Seeks support from others when needs assistance
		3.9 Identifies some letters and makes some letter-sound matches
		5.3 Expands vocabulary
5.	Recognize common types of texts (e.g., storybooks, poems).	3.1 Shows enjoyment of books and stories and discussion of them
	(CC.K.RL.5)	3.5 Understands that print conveys a message
		3.7 Identifies letters and signs in the environment
6.	With prompting and support, name the author and illustrator	3.1 Shows enjoyment of books and stories and discussion of them
	of a story and define the role of each in telling the story. (CC.K.RL.6)	3.3 Demonstrates knowledge of how to use a book
		3.42 Shows awareness of technology and tools and their impact on how people live
7.	With prompting and support, describe the relationship	1.27 Identifies and understands others' emotions and intentions
	between illustrations and the story in which they appear (e.g., what moment in a story an illustration depicts). (CC.K.RL.7)	3.1 Shows enjoyment of books and stories and discussion of them
		5.4 Recognizes and identifies by name most common objects and pictures
9.	With prompting and support, compare and contrast the adventures and experiences of characters in familiar stories. (CC.K.RL.9)	3.1 Shows enjoyment of books and stories and discussion of them
10.	Actively engage in group reading activities with purpose and understanding.(CC.K.RL.10)	1.12 Demonstrates interest and participates in classroom activities
		1.30 Pays attention
		2.1 Shows creativity and imagination in play with materials and props
		2.5 Enjoys singing games, dramatizing songs and moving to music
		2.11 Creates drawings and paintings that gradually become more detailed and realistic
		3.1 Shows enjoyment of books and stories and discussion of them
		3.6 Demonstrates an interest in using writing for a purpose
		5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
		5.5 Participates in songs, fingerplays, rhyming activities, and games
		5.6 Uses words to communicate ideas
		5.7 Engages in two-way conversation with children and adults
		5.8 Participates in group discussion
		5.11 Tells a story

	Common Core State Standards	AECE Benchmarks			
R	Reading: Foundational Skills				
1.	Demonstrate understanding of the organization and basic features of print. (CC.K.RF.1)	3.3 Demonstrates knowledge of how to use a book			
		3.5 Understands that print conveys a message			
		3.8 Uses known letters or approximation of letters to represent written language			
		3.13 Demonstrates one-to-one correspondence			
		5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)			
1a.	Follow words from left to right, top to bottom, and page by	3.3 Demonstrates knowledge of how to use a book			
	page. (CC.K.RF.1.a)	3.44 Demonstrates the safe and cooperative use of technology and tools			
1b.	Recognize that spoken words are represented in written	3.5 Understands that print conveys a message			
	language by specific sequences of letters. (CC.K.RF.1.b)	3.7 Identifies letters and signs in the environment			
		3.13 Demonstrates one-to-one correspondence			
		5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)			
1c.	Understand that words are separated by spaces in print.	3.5 Understands that print conveys a message			
	(CC.K.RF.1.c)	3.7 Identifies letters and signs in the environment			
		3.13 Demonstrates one-to-one correspondence			
1d.	Recognize and name all upper- and lowercase letters of the	3.7 Identifies letters and signs in the environment			
	alphabet. (CC.K.RF.1.d)	3.9 Identifies some letters and makes some letter-sound matches			
2.	Demonstrate understanding of spoken words, syllables, and	3.13 Demonstrates one-to-one correspondence			
	sounds (phonemes). (CC.K.RF.2)	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)			
		5.5 Participates in songs, fingerplays, rhyming activities, and games			
2a.	Recognize and produce rhyming words. (CC.K.RF.2.a)	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)			
		5.5 Participates in songs, fingerplays, rhyming activities, and games			
2b.	Count, pronounce, blend, and segment syllables in spoken	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)			
	words. (CC.K.RF.2.b)	5.5 Participates in songs, fingerplays, rhyming activities, and games			
2c.	Blend and segment onsets and rimes of single-syllable	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)			
	spoken words. (CC.K.RF.2.c)	5.5 Participates in songs, fingerplays, rhyming activities, and games			

	Common Core State Standards	AECE Benchmarks
2d.	Isolate and pronounce the initial, medial vowel, and final sounds (phonemes) in three-phoneme (consonant-vowel-consonant, or CVC) words.*(This does not include CVCs ending with /l/, /r/,or /x/.) (CC.K.RF.2.d)	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
2e.	Add or substitute individual sounds (phonemes) in simple, one-syllable words to make new words. (CC.K.RF.2.e)	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
3.	Know and apply grade-level phonics and word analysis skills in decoding words. (CC.K.RF.3)	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
3a.	Demonstrate basic knowledge of letter-sound	3.6 Demonstrates an interest in using writing for a purpose
	correspondences by producing the primary or most frequent sound for each consonant. (CC.K.RF.3.a)	3.8 Uses known letters or approximation of letters to represent written language
	,	3.9 Identifies some letters and makes some letter-sound matches
		3.13 Demonstrates one-to-one correspondence
		5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
		5.5 Participates in songs, fingerplays, rhyming activities, and games
3b.	Associate the long and short sounds with the common spellings (graphemes) for the five major vowels. (CC.K.RF.3.b)	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
Зс.	Read common high-frequency words by sight. (e.g., the, of, to, you, she, my, is, are, do, does). (CC.K.RF.3.c)	3.5 Understands that print conveys a message
		3.7 Identifies letters and signs in the environment
		3.8 Uses known letters or approximation of letters to represent written language
3d.	Distinguish between similarly spelled words by identifying	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
	the sounds of the letters that differ. (CC.K.RF.3.d)	5.5 Participates in songs, fingerplays, rhyming activities, and games
4.	Read emergent-reader texts with purpose and understanding. (CC.K.RF.4)	2.5 Enjoys singing games, dramatizing songs and moving to music
		3.1 Shows enjoyment of books and stories and discussion of them
		3.3 Demonstrates knowledge of how to use a book
		3.4 Demonstrates visual discrimination and visual memory skills
		3.12 Recognizes patterns and can repeat them (patterning)
		5.5 Participates in songs, fingerplays, rhyming activities, and games
		5.6 Uses words to communicate ideas

Common Core State Standards	AECE Benchmarks
Speaking and Listening	
Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and	5.2 Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar
adults in small and larger groups. (CC.K.SL.1)	5.6 Uses words to communicate ideas
	5.7 Engages in two-way conversation with children and adults
	5.8 Participates in group discussion
	5.11 Tells a story
1a Follow agreed-upon rules for discussions (e.g., listening to	1.18 Respects the rights of others
others and taking turns speaking about the topics and texts under discussion). (CC.K.SL.1.a)	1.22 Shares, takes turns
	1.23 Follows rules
	3.1 Shows enjoyment of books and stories and discussion of them
	5.7 Engages in two-way conversation with children and adults
	5.8 Participates in group discussion
	5.9 Uses language to problem solve
	5.11 Tells a story
1b. Continue a conversation through multiple exchanges.	1.22 Shares, takes turns
(CC.K.SL.1.b)	1.23 Follows rules
	5.2 Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar
	5.5 Participates in songs, fingerplays, rhyming activities, and games
	5.6 Uses words to communicate ideas
	5.7 Engages in two-way conversation with children and adults
	5.8 Participates in group discussion
	5.11 Tells a story

	Common Core State Standards	AECE Benchmarks
2.	Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood. (CC.K.SL.2)	1.4 Shows curiosity and desire to learn
		1.15 Understands and respects differences
		2.4 Participates freely in music activities
		3.1 Shows enjoyment of books and stories and discussion of them
		5.5 Participates in songs, fingerplays, rhyming activities, and games
		5.6 Uses words to communicate ideas
		5.7 Engages in two-way conversation with children and adults
3.	Ask and answer questions in order to seek help, get	3.1 Shows enjoyment of books and stories and discussion of them
	information, or clarify something that is not understood. (CC.K.SL.3)	5.2 Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar
		5.6 Uses words to communicate ideas
		5.7 Engages in two-way conversation with children and adults
		5.8 Participates in group discussion
		5.9 Uses language to problem solve
		5.10 Follows directions in sequence
		5.11 Tells a story
4.	with prompting and support, provide additional detail. (CC.K.SL.4)	2.1 Shows creativity and imagination in play with materials and props
		3.42 Shows awareness of technology and tools and their impact on how people live
		5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
		5.2 Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar
		5.6 Uses words to communicate ideas
		5.8 Participates in group discussion
		5.9 Uses language to problem solve
		5.11 Tells a story

	Common Core State Standards	AECE Benchmarks
5.	Add drawings or other visual displays to descriptions as desired to provide additional detail. (CC.K.SL.5)	2.1 Shows creativity and imagination in play with materials and props
		2.2 Participates in dramatic play themes that become more involved and complex
		2.3 Assumes various roles in dramatic play situations
		2.4 Participates freely in music activities
		2.5 Enjoys singing games, dramatizing songs and moving to music
		2.6 Expresses through movement what is felt and heard in various musical tempos and styles
		2.7 Experiments with a variety of musical instruments and sound sources
		2.8 Identifies the source of a variety of sounds
		2.9 Moves in time to the beat
		2.10 Explores and manipulates art media
		2.11 Creates drawings and paintings that gradually become more detailed and realistic
		2.12 Preplans art project and then works with care
		2.13 Recognizes and responds to beauty in the environment
		3.1 Shows enjoyment of books and stories and discussion of them
		3.2 Uses picture cues to tell a story
		3.41 Independently applies technology and tools to address a variety of task and problems
		3.44 Demonstrates the safe and cooperative use of technology and tools
		3.6 Demonstrates an interest in using writing for a purpose
		5.4 Recognizes and identifies by name most common objects and pictures

	Common Core State Standards	AECE Benchmarks
6.	Speak audibly and express thoughts, feelings, and ideas clearly. (CC.K.SL.6)	1.26 Expresses thoughts and feelings in words
		1.29 Expresses strong emotions constructively
		3.1 Shows enjoyment of books and stories and discussion of them
		3.2 Uses picture cues to tell a story
		5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)
		5.2 Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar
		5.6 Uses words to communicate ideas
		5.8 Participates in group discussion
		5.9 Uses language to problem solve
		5.11 Tells a story
V	/riting	
1.	Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell a reader the topic or the name of the book they are writing about and state an opinion or preference about the topic or book (e.g., My favorite book is). (CC.K.W.1)	2.11 Creates drawings and paintings that gradually become more detailed and realistic
		3.5 Understands that print conveys a message
		3.6 Demonstrates an interest in using writing for a purpose
		3.8 Uses known letters or approximation of letters to represent written language
		3.43 Identifies purpose of common technologies and tools
		3.44 Demonstrates the safe and cooperative use of technology and tools
2.	Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic. (CC.K.W.2)	2.11 Creates drawings and paintings that gradually become more detailed and realistic
		3.5 Understands that print conveys a message
		3.6 Demonstrates an interest in using writing for a purpose
		3.7 Identifies letters and signs in the environment
		3.8 Uses known letters or approximation of letters to represent written language
		3.43 Identifies purposes of common technologies and tools
		3.44 Demonstrates the safe and cooperative use of technology and tools

	Common Core State Standards	AECE Benchmarks
3.	Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened. (CC.K.W.3)	2.11 Creates drawings and paintings that gradually become more detailed and realistic
		3.2 Uses picture cues to tell a story
		3.5 Understands that print conveys a message
		3.6 Demonstrates an interest in using writing for a purpose
		3.8 Uses known letters or approximation of letters to represent written language
		3.43 Identifies purposes of common technologies and tools
		3.44 Demonstrates the safe and cooperative use of technology and tools
5.	With guidance and support from adults, respond to questions and suggestions from peers and add details to strengthen writing as needed. (CC.K.W.5)	3.1 Shows enjoyment of books and stories and discussion of them
		3.5 Understands that print conveys a message
		3.6 Demonstrates an interest in using writing for a purpose
		3.8 Uses known letters or approximation of letters to represent written language
		5.8 Participates in group discussion
		5.9 Uses language to problem solve
6.	With guidance and support from adults, explore a variety of	1.1 Demonstrates ability to make choices
	l-i	2.11 Creates drawings and paintings that gradually become more detailed and realistic
		3.6 Demonstrates an interest in using writing for a purpose
		3.8 Uses known letters or approximation of letters to represent written language
		3.41 Independently applies technology and tools to address a variety of tasks and problems
		3.44 Demonstrates the safe and cooperative use of technology and tools

	Common Core State Standards	AECE Benchmarks
7.	Participate in shared research and writing projects (e.g.,	1.26 Expresses thoughts and feelings in words
	explore a number of books by a favorite author and express opinions about them). (CC.K.W.7)	1.29 Expresses strong emotions constructively
		3.1 Shows enjoyment of books and stories and discussion of them
		3.2 Uses picture cues to tell a story
		3.3 Demonstrates knowledge of how to use a book
		3.5 Understands that print conveys a message
		3.6 Demonstrates an interest in using writing for a purpose
		3.7 Identifies letters and signs in the environment
		3.19 Shows interest in exploring the environment
		3.20 Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing)
		3.21 Uses words to describe the characteristics of objects (scientific process: communicating)
		3.22 Makes comparisons (scientific process: comparing)
		3.41 Independently applies technology and tools to address a variety of tasks and problems
		3.23 Shows awareness of cause-effect relationships
8.	With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question. (CC.K.W.8)	3.1 Shows enjoyment of books and stories and discussion of them

Continuum of the Arkansas Early Childhood Education Framework Handbook for Three and Four Year Old Children with the Common Core State Standards for Mathematics Kindergarten Level

The previous edition of the AOM had the correlation of the AECE Benchmarks with the student learning expectations in the Arkansas Department of Education English Language Arts Curriculum Frameworks but no other kindergarten student learning expectations were included (ex. mathematics). Since Arkansas adopted both the CCSS Language Arts and Mathematics, it seemed prudent to include the AECE Benchmarks continuum to the kindergarten mathematics standards. In the left column, the AECE Benchmark is provided with the associated Common Core State Standard in the right column.

AECE Benchmarks		Common Core State Standards
Benchmark	Strand	Standard
3.10 Classifies objects by physical features such as shape or color	Geometry	 Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to. (CC.K.G.1) Correctly name shapes regardless of their orientations or overall size. (CC.K.G.2) Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid"). (CC.K.G.3) Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length). (CC.K.G.4) Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. (CC.K.G.5) Compose simple shapes to form larger shapes. For example, "can you join these two triangles with
	Measurements and Data	full sides touching to make a rectangle?" (CC.K.G.6) 1. Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. (CC.K.MD.1) 3. Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. (Limit category counts to be less than or equal to 10.) (CC.K.MD.3)
3.11 Classifies objects conceptually (things that go together)	Measurements and Data	 Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. (CC.K.MD.1) Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. (Limit category counts to be less than or equal to 10.) (CC.K.MD.3)
3.12 Recognizes patterns and can repeat them (patterning)	Geometry	 Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length). (CC.K.G.4) Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. (CC.K.G.5) Compose simple shapes to form larger shapes. For example, "can you join these two triangles with full sides touching to make a rectangle?" (CC.K.G.6)

AECE Benchmarks		Common Core State Standards
Benchmark	Strand	Standard
3.13 Demonstrates one-to-one correspondence	Counting and Cardinality	 Count to 100 by ones and by tens. (CC.K.CC.1) When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object. (CC.K.CC.4.a) Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies. (Include groups with up to ten objects.) (CC.K.CC.6)
3.14 Demonstrates the ability to order and sequence		 Count to 100 by ones and by tens. (CC.K.CC.1) Count forward beginning from a given number within the known sequence (instead of having to begin at 1). (CC.K.CC.2) Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects). (CC.K.CC.3)
3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)		 Count to 100 by ones and by tens. (CC.K.CC.1) Count forward beginning from a given number within the known sequence (instead of having to begin at 1). (CC.K.CC.2) Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects). (CC.K.CC.3) Understand the relationship between numbers and quantities; connect counting to cardinality. (CC.K.CC.4) Understand that the last number name said tells the number of objects counted. The number of objects in the same regardless of their arrangement or the order in which they were counted. (CC.K.CC.4.b) Understand that each successive number name refers to a quantity that is one larger. (CC.K.CC.4.c) Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1-20, count out that many objects. (CC.K.CC.5) Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies. (Include groups with up to ten objects.) (CC.K.CC.6) Compare two numbers between 1 and 10 presented as written numerals. (CC.K.CC.7)

AECE Benchmarks			Common Core State Standards
Benchmark	Strand	Sta	ndard
3.16 Demonstrates an understanding of addition and subtraction, using	Counting and Cardinality	4.	Understand the relationship between numbers and quantities; connect counting to cardinality. (CC.K.CC.4)
manipulatives		4b.	Understand that the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted. (CC.K.CC.4b)
		5.	Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1-20, count out that many objects. (CC.K.CC.5)
		6.	Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies. (Include groups with up to ten objects.) (CC.K.CC.6)
	Numbers and Operations in Base Ten	1.	Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (such as $18 = 10 + 8$); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones. (CC.K.NBT.1)
	Operations and Algebraic Thinking	1.	Represent addition and subtraction with objects, fingers, mental images, drawings (drawings need not show details, but should show the mathematics in the problem), sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations. (CC.K.OA.1)
		2.	Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem. (CC.K.OA.2)
		3.	Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., $5 = 2 + 3$ and $5 = 4 + 1$). (CC.K.OA.3)
		4.	For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation. (CC.K.OA.4)
		5.	Fluently add and subtract within 5. (CC.K.OA.5)
3.17 Shows understanding of different relationships of objects in space	Geometry	1.	Describe objects in the environment using names of shapes, and describe the relative positions of theses objects using terms such as above, below, beside, in front of, behind, and next to. (CC.K.G.1)
(spatial relations)		5.	Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. (CC.K.G.5)
		6.	Compose simple shapes to form larger shapes. For example, "can you join these two triangles with full sides touching to make a rectangle?" (CC.K.G.6)
3.18 Shows an awareness of time concepts	Measurements and Data	1.	Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. (CC.K.MD.1)
3.19 Shows interest in exploring the environment	Measurements and Data	1.	Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. (CC.K.MD.1)

AECE Benchmarks	Common Core State Standards					
Benchmark	Strand	Standard				
3.20 Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing)	Counting and Cardinality	 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies. (Include groups with up to ten objects.) (CC.K.CC.6) Compare two numbers between 1 and 10 presented as written numerals. (CC.K.CC.7) 				
	Geometry	5. Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. (CC.K.G.5)				
		6. Compose simple shapes to form larger shapes. For example, "can you join these two triangles with full sides touching to make a rectangle?" (CC.K.G.6)				
	Measurements and Data	Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. (CC.K.MD.1)				
		 Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference. For example, directly compare the heights of two children and describe one child as taller/shorter. (CC.K.MD.2) 				
3.21 Uses words to describe the characteristics of objects (scientific process: communicating)	Measurement and Data	 Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. (CC.K.MD.1) Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference. For example, directly compare the heights of two children and describe one child as taller/shorter. (CC.K.MD.2) 				
	Geometry	3. Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid"). (CC.K.G.3)				
3.22 Makes comparisons (scientific process: comparing)	Measurement and Data	 Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. (CC.K.MD.1) Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference. For example, directly compare the heights of two children and describe one child as taller/shorter. (CC.K.MD.2) 				
	Geometry	 Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid"). (CC.K.G.3) Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length). (CC.K.G.4) 				
	Counting and Cardinality	 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies. (Including groups with up to ten objects.) (CC.K.CC.6) Compare two numbers between 1 and 10 presented as written numerals.(CC.K.CC.7) 				

AECE Benchmarks		Common Core State Standards
Benchmark	Strand	Standard
3.24 Finds more than one solution to a problem	Numbers and Operations in Base Ten	 Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (such as 18 = 10+8); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones. (CC.K.NBT.1)
	Operational and Algebraic Thinking	3. Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., 5 = 2 +3 and 5 = 4+1). (CC.K.OA.3)
		4. For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation. (CC.K.OA.4)
3.25 Applies information or experience to a new context (scientific	Geometry	 Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. (CC.K.G.5)
process: applying)		6. Compose simple shapes to form larger shapes. For example, "can you join these two triangles with full sides touching to make a rectangle?" (CC.K.G6)
3.27 Uses numbers in daily activities		1. Count to 100 by one and by tens. (CC.K.CC.1)
		 Count forward beginnings from a given number within the known sequence (instead of having to begin at 1). (CC.K.CC.2)
		3. Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects.) (CC.K.CC.3)
		 Understand the relationship between numbers and quantities; connect counting to cardinality. (CC.K.CC.4)
		4a. When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object. (CC.K.CC.4.a)
		4c. Understand that each successive number name refers to a quantity that is one larger. (CC.K.CC.4.c)
		6. Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., using matching and counting strategies. (Include groups with up to ten objects.) (CC.K.CC.6)
		7. Compare two numbers between 1 and 10 presented as written numerals. (CC.K.CC.7)
3.28 Describe the characteristics of both	Geometry	3. Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid"). (CC.K.G.3)
two-dimensional shapes and geometric solids		 Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length). (CC.K.G.4)

AECE Benchmarks	Common Core State Standards					
Benchmark	Strand	Standard				
3.29 Manipulates and combines two- dimensional shapes	Geometry	 Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. (CC.K.G.5) 				
		Compose simple shapes to form larger shapes. For example, "can you join these two triangles with full sides touching to make a rectangle?" (CC.K.G.6)				
3.30 Participates in exploratory measurement activities	Measurement and Data	 Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. (CC.K.MD.1) 				
		 Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference. For example, directly compare the heights of two children and describe one child as taller/shorter. (CC.K.MD.2) 				
		3. Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. (Limit category counts to be less than or equal to 10.) (CC.K.MD.3)				

Continuum in Reverse Order: Common Core State Standards for Mathematics Kindergarten Level with the Arkansas Early Childhood Education Framework Handbook for Three and Four Year Old Children

Common Core State Standards	AECE Benchmark								
Counting and Cardinality									
1. Count to 100 by ones and by tens (CC.K.CC.1)	3.13 Demonstrates one-to-one correspondence								
	3.14 Demonstrates the ability to order and sequence								
	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)								
	3.27 Uses numbers in daily activities								
2. Count forward beginning from a given number within the known sequence	3.14 Demonstrates the ability to order and sequence								
(instead of having to begin at 1). (CC.K.CC.2)	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)								
	3.27 Uses numbers in daily activities								
3. Write numbers from 0-20. Represent a number of objects with a written	3.14 Demonstrates the ability to order and sequence								
numeral 0-20 (with 0 representing a count of no objects). (CC.K.CC.3)	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)								
	3.27 Uses numbers in daily activities								
Understand the relationship between numbers and quantities; connect counting to cardinality. (CC.K.CC.4)	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)								
	3.16 Demonstrates an understanding of addition and subtraction, using manipulatives								
	3.27 Uses numbers in daily activities								
4a. When counting objects, say the number names in the standard order,	3.13 Demonstrates one-to-one correspondence								
pairing each object with one and only one number name and each number name with one and only one object. (CC.K.CC.4.a)	3.27 Uses numbers in daily activities								
4b. Understand that the last number name said tells the number of objects counted. The number of objects is the same regardless of their	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)								
arrangement or the order in which they were counted. (CC.K.CC.4.b)	3.16 Demonstrates an understanding of addition and subtraction, using manipulatives								
4c. Understand that each successive number name refers to a quantity that is one larger. (CC.K.CC.4.c)	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)								
	3.27 Uses numbers in daily activities								

	Common Core State Standards		AECE Benchmark
5.	Count to answer 'how many?' questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a contrary dentification of the properties of the count out that		Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)
	in a scattered configuration; given a number from 1-20, count out that many objects. (CC.K.CC.5)	3.16	Demonstrates an understanding of addition and subtraction, using manipulatives
6.	Identify whether the number of objects in one group is greater than, less	3.13	Demonstrates one-to-one correspondence
	than, or equal to the number of objects in another group, e.g., by using matching and counting strategies. (Include groups with up to ten objects.). (CC.K.CC.6)	3.15	Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)
		3.16	Demonstrates an understanding of addition and subtraction, using manipulatives
		3.20	Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing)
		3.22	Makes comparisons (scientific process: comparing)
		3.27	Uses numbers in daily activities
7.	Compare two numbers between 1 and 10 presented as written numerals. (CC.K.CC.7)	3.15	Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)
		3.20	Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing)
		3.22	Makes comparisons (scientific process: comparing)
			Uses numbers in daily activities
Op	erations and Algebraic Thinking		
1.	Represent addition and subtraction with objects, fingers, mental images, drawings (drawings need not show details, but should show the mathematics in the problem), sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations. (CC.K.OA.1)	3.16	Demonstrates an understanding of addition and subtraction, using manipulatives
2.	Solve addition and subtraction word problems, and add and subtract withing 10, e.g., by using objects or drawings to represent the problem. (CC.K.OA.2)	3.16	Demonstrates an understanding of addition and subtraction, using manipulatives
3.	Decompose numbers less than or equal to 10 into pairs in more than one	3.16	Demonstrates an understanding of addition and subtraction, using manipulatives
	way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., 5=2+3 and 5=4+1). (CC.K.OA.3)	3.24	Finds more than one solution to a problem
4.	For any number from 1 to 9, find the number that makes 10 when added to	3.16	Demonstrates an understanding of addition and subtraction, using manipulatives
	the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation. (CC.K.OA.4)		Finds more than one solution to a problem
5.	Fluently add and subtract within 5. (CC.K.OA.5.)	3.16	Demonstrates an understanding of addition and subtraction, using manipulatives

Common Core State Standards	AECE Benchmark
Number and Operations in Base Ten	
Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (such as	3.16 Demonstrates an understanding of addition and subtraction, using manipulatives
18=10+8); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones. (CC.K.NBT.1)	3.24 Finds more than one solution to a problem
Measurement and Data	
Describe measurable attributes of objects, such as length or weight.	3.10 Classifies objects by physical features such as shape or color
Describe several measurable attributes of a single object. (CC.K.MD.1)	3.11 Classifies objects conceptually (things that go together)
	3.18 Shows an awareness of time concepts
	3.19 Shows interest in exploring the environment
	3.20 Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing)
	3.21 Uses words to describe the characteristics of objects (scientific process: communicating)
	3.22 Makes comparisons (scientific process: comparing)
	3.30 Participates in exploratory measurement activities
2. Directly compare two objects with a measurable attribute in common, to see which object has 'more of/less of' the attribute, and describe the	3.20 Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing)
difference. For example, directly compare the heights of two children and describe one child as taller/shorter. (CC.K.MD.2)	3.21 Uses words to describe the characteristics of objects (scientific process: communicating)
	3.22 Makes comparisons (scientific process: comparing)
	3.30 Participates in exploratory measurement activities
3. Classify objects and count the number of objects in each category. Classify	3.10 Classifies objects by physical features such as shape or color
objects into given categories; count the numbers of objects in each category and sort the categories by count. (Limit category counts to be less	3.11 Classifies objects conceptually (things that go together
than or equal to 10.). (CC.K.MD.3)	3.30 Participates in exploratory measurement activities
Geometry	
1. Describe objects in the environment using names of shapes, and describe	3.10 Classifies objects by physical features such as shape or color
the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to. (CC.K.G.1)	3.17 Shows understanding of different relationships of objects in space (spatial relations)
Correctly name shapes regardless of their orientations or overall size.(CC.K.G.2)	3.10 Classifies objects by physical features such as shape or color

Common Core State Standards			AECE Benchmark					
3.	Identify shapes as two-dimensional (lying in a plane, "flat") or		Classifies objects by physical features such as shape or color					
	three-dimensional ("solid"). (CC.K.G.3)	3.22	Makes comparisons (scientific process: comparing)					
			Describe the characteristics of both two-dimensional shapes and geometric solids					
4.		3.10	Classifies objects by physical features such as shape or color					
	and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/corner) and other	3.12	Recognizes patterns and can repeat them (patterning)					
	attributes (e.g., having sides of equal length). (CC.K.G.4)	3.28	Describe the characteristics of both two-dimensional shapes and geometric solids					
5.	Model shapes in the world by building shapes from components (e.g.,	3.10	Classifies objects by physical features such as shape or color					
	sticks and clay balls) and drawing shapes. (CC.K.G.5)	3.12	Recognizes patterns and can repeat them (patterning)					
		3.17	Shows understanding of different relationships of objects in space (spatial relations)					
		3.20	Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing)					
		3.25	Applies information or experience to a new context (scientific process: applying)					
			Manipulates and combines two-dimensional shapes					
6.	Compose simple shapes to form larger shapes. For example, "can you join		Classifies objects by physical features such as shape or color					
	these two triangles with full sides touching to make a rectangle?". (CC.K.G.6)	3.12	Recognizes patterns and can repeat them (patterning)					
		3.17	Shows understanding of different relationships of objects in space (spatial relations)					
		3.20	Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing)					
		3.25	Applies information or experience to a new context (scientific process: applying)					
		3.29	Manipulates and combines two-dimensional shapes					

Correlation of the Arkansas Early Childhood Education Framework Handbook for Three and Four Year Old Children with the Work Sampling System Developmental Guidelines for Preschool 4

The Work Sampling System® is a criterion-referenced observational assessment with extensive research supporting reliability and validity. This assessment is used in Arkansas primarily by Arkansas Better Chance Programs but is also used by some Head Start Programs. The tool is used to help observe, record, and evaluate each child's progress using a systematic method.

The chart below identifies the AECA Benchmark in the left column which correlates with the appropriate Work Sampling Domain, Component and Performance indicator in the right columns.

Arkansas Early Childhood Education Benchmark		Work Sampling System: Developmental Guidelines for Preschool 4 (4 th edition)						
	Benchmark	Domain	Performance Indicator					
		Learning Strand: Social/Emo	tional Development					
Acts Independent	Acts Independently							
1.1 Demonstrates a	bility to make choices	I. Personal & Social Development	A. Self-concept	2. Shows some self-direction.				
1.2 Demonstrates in	ndependence in personal care	VII. Physical Development & Health	C. Personal health and safety	1. Performs some self-care tasks independently.				
1.3 Demonstrates a	bility to play independently	I. Personal & Social Development	A. Self-concept	2. Shows some self-direction.				
Experience Succe	ess							
1.4 Shows curiosity	and desire to learn	I. Personal & Social Development	C. Approaches to learning	1. Shows eagerness and curiosity as a learner.				
	enting and problem-solving with swith concrete materials	I. Personal & Social Development	C. Approaches to learning	Approaches tasks with flexibility and inventiveness.				
1.6 Demonstrates c	confidence in growing abilities	I. Personal & Social Development	A. Self-concept	Demonstrates self-confidence.				
1.7 Demonstrates w	villingness to try new things	I. Personal & Social Development	A. Self-concept	2. Shows some self-direction.				
			C. Approaches to learning	Approaches tasks with flexibility.				
1.8 Uses planning in	n approaching a task or activity	I. Personal & Social Development	A. Self-concept	2. Shows some self-direction.				
			C. Approaches to learning	Approaches tasks with flexibility and inventiveness.				
1.9 Shows persister	nce in approaching tasks	I. Personal & Social Development	C. Approaches to learning	2. Attends to tasks and seeks help when				
				encountering a problem. 3. Approaches task with flexibility.				
Interact Socially				o. Approaches task with healbling.				
1.10 Trust adults for	help and comfort	I. Personal & Social Development	D. Interaction with others	2. Interacts easily with familiar adults.				
			E. Social problem-solving	Seeks adult help when needed to resolve conflicts.				
1.11 Shows ability to	separate from parents	I. Personal & Social Development	B. Self-control	3. Manages transitions.				
1.12 Demonstrates ir classroom activi	nterest and participates in ities	I. Personal & Social Development	A. Self-concept	Demonstrates self-confidence.				

Arkans	as Early Childhood Education Benchmark	rk Work Sampling System: Developmental Guidelines for Preschool 4 (4 th edition)					
Benchmark		Domain	Component	Performance Indicator			
1.13 Parti	icipates in routine activities easily	I. Personal & Social Development	B. Self-control	Follows simple classroom rules and routines.			
				3. Manages transitions.			
1.14 Soci	ializes with adults and children	I. Personal & Social Development	D. Interaction with others	Interacts easily with one or more children.			
				Interacts easily with familiar adults.			
1.15 Unde	erstands and respects differences	V. Social Studies	A. People, past and present	Identifies similarities and differences in personal and family characteristics.			
1.16 Help	os others in need	I. Personal & Social Development	D. Interaction with others	4. Shows empathy and caring for others.			
1.17 Stan	nds up for rights	I. Personal & Social Development	E. Social problem-solving	Seeks adult help when needed to resolve conflicts.			
			A. Self-concept	Demonstrates self-confidence.			
1.18 Resp	pects the rights of others	I. Personal & Social Development	D. Interaction with others	Interacts easily with one or more children.			
1.19 Work	ks cooperatively with others	I. Personal & Social Development	C. Approaches to learning	Attends to tasks and seeks help when encountering a problem.			
			D. Interaction with others	Interacts easily with one or more children.			
				3. Participates in group life of the class.			
1.20 Uses confl	s compromise and discussion to resolve licts	I. Personal & Social Development	E. Social problem-solving	Seeks adult help when needed to resolve conflicts.			
	omes involved in solving social problems flicts)	I. Personal & Social Development	E. Social problem-solving	Seeks adult help when needed to resolve conflicts.			
Emotio	onal Literacy						
1.22 Shar	res, takes turns	I. Personal and Social Development	D. Interaction with others	 Interacts easily with one or more children. Shows empathy and caring for others. 			
1.23 Follo	ows rules	I. Personal & Social Development	B. Self control	1. Follows simple classroom rules and routines.			
		V. Social Studies	C. Citizenship and government	1. Demonstrates awareness of rules.			
		VII. Physical Development and Health	C. Personal health and safely	2. Follows basic health and safety rules.			
1.24 Expr	resses care and concern for others	I. Personal and Social Development	D. Interaction with others	4. Shows empathy and caring for others.			
1.25 Iden	tifies one's own feelings	I. Personal & Social Development	A. Self-concept	Demonstrates self confidence.			
1.26 Expr	resses thoughts and feelings in words	II. Language & Literacy	B. Speaking	Uses expanded vocabulary and language for a variety of purposes.			
	tifies and understands others' emotions and ntions	I. Personal & Social Development	D. Interaction with others	4. Shows empathy and caring for others.			
Emotio	onal Regulation						
1.28 Seek	ks support from others when needs assistance	I. Personal & Social Development	C. Approaches to learning	Approaches tasks with flexibility and inventiveness.			

A	Arkansas Early Childhood Education Benchmark Work Sampling System: Developmental Guidelines for Preschool 4 (4 th edition)					
	Benchmark	Domain		Component		Performance Indicator
1.29	Expresses strong emotions constructively	II. Language & Literacy	B.	Speaking	2.	Uses expanded vocabulary and language for a variety of purposed.
1.30	Pays attention	II. Language & Literacy	A.	Listening	1.	Gains meaning by listening.
1.31	Accepts consequences					
1.32	Practices new skill	I. Personal & Social Development	C.	Approaches to learning	3.	Approaches tasks with flexibility and inventiveness.
1.33	Delays gratification					
		Learning Strand: Creative/A	l <i>esti</i>	hetic Learning		
E	xpression Through Art Forms and Activities					
2.1	Shows creativity and imagination in play with materials and props	I. Personal & Social Development	C.	Approaches to learning	3.	Approaches tasks with flexibility and inventiveness.
		II. Language & Literacy	D.	Writing	1.	Represents ideas and stories through pictures, dictation and play.
		V. The Arts	A.	Expression and representation	3.	Uses a variety of art materials for tactile experience and exploration.
2.2	Participate in dramatic play themes that become more involved and complex	VI. The Arts	A.	Expression and representation	2.	Participates in creative movement, dance and drama.
		I. Personal & Social Development	A.	Approaches to learning	3.	Approaches tasks with flexibility and inventiveness.
2.3	Assumes various roles in dramatic play situations	VI. The Arts	A.	Expression and representation	2.	Participates in creative movement, dance and drama.
		I. Personal and Social Development	A.	Self-concept	1.	Demonstrates self-confidence.
2.4	Participates freely in music activities	VI. The Arts	A.	Expression and representation	1.	Participates in group music experiences.
2.5	Enjoys singing games, dramatizing songs and	VI. The Arts	A.	Expression and	1.	9 p
	moving to music			representation	2.	Participates in creative movement, dance and drama.
2.6	Express through movement what is felt and heard in various musical tempos and styles	VI. The Arts	A.	Expression and representation	2.	Participates in creative movement, dance and drama.
2.7	,	VI. The Arts	A.	Expression and	1.	9 p
	and sound sources	NV Opinatific Think:		representation	1.	Asks questions, uses senses to observe.
		IV. Scientific Thinking I. Personal Social		Inquiry Approaches to learning	3.	Approaches play/tasks with purpose and flexibility.
2.8	Identifies the source of a variety of sounds	IV. Scientific thinking	_	Inquiry	1.	

Aı	kansas Early Childhood Education Benchmark	Work Sampling System: Developmental Guidelin			nes for Preschool 4 (4 th edition)		
	Benchmark	Domain		Component		Performance Indicator	
2.9	Moves in time to the beat	VI. The Arts	A.	Expression and representation	1. 2.	J J	
2.10	Explores and manipulates art media	VI. The Arts VII. Physical Development & Health		Expression and representation Fine motor development	3. 3.	experience and exploration. Shows beginning control of writing, drawing	
2.11	Creates drawings and paintings that gradually become more detailed and realistic	II. Language & Literacy VI. The Arts		Writing Expression and representations	1. 3.	dictation and play.	
2.12	Preplans art project and then works with care	VI. The Arts	A.	Expression and representation	3.	Uses a variety of art materials for tactile experience and exploration.	
2.13	Recognizes and responds to beauty in the environment	VI. The Arts		People and where they live Understanding and appreciation	2. 1.		
		Learning Strand: Cognitive/In	telle	ectual Learning			
L	anguage Arts						
3.1	Shows enjoyment of books and stories and discussion of them	II. Language & Literacy	C.	Reading	1.	Shows appreciation for books and reading.	
3.2	Uses picture cues to tell a story	II. Language & Literacy	C.	Reading	4.	Comprehends and responds to stories read aloud.	
3.3	Demonstrates knowledge of how to use a book	II. Language & Literacy	C.	Reading	2.	Shows beginning understanding of concepts about print.	
3.4	Demonstrates visual discrimination and visual memory skills	II. Language & Literacy	C.	Reading	3.	Begins to develop knowledge about letters.	
3.5	Understands that print conveys a message	II. Language & Literacy		Reading Writing	 4. 1. 3. 	about print. Comprehends and responds to stories read aloud.	

Arkansas Early Childhood Education Benchmark		Work Sampling System: Developmental Guidelines for Preschool 4 (4 th edition)				
	Benchmark	Domain	Component	Performance Indicator		
3.6	Demonstrates an interest in using writing for a purpose	II. Language & Literacy	D. Writing	 Represents ideas and stories through pictures, dictation and play. Understands purposes of writing. 		
3.7	Identifies letters and signs in the environment	II. Language & Literacy	C. Reading	Begins to develop knowledge about letters.		
3.7	identifies letters and signs in the environment	II. Language & Literacy	C. Heading	Shows beginning understanding of concepts of print.		
3.8	Uses known letters or approximation of letters to represent written language	II. Language & Literacy	C. Reading	Shows beginning understanding of concepts about print.		
			D. Writing	Uses letter like-shapes, symbols, and letters to convey meaning.		
3.9	Identifies some letters and makes some letter- sounds matches	II. Language & Literacy	C. Reading	Begins to develop knowledge of letters.		
IV	lathematics and Science					
3.10	Classifies objects by physical features such as Shape or color	III. Mathematical Thinking	C. Patterns, relationships and functions	Sorts objects into subgroups that vary by one or two attributes.		
			D. Geometry and spatial relations	Begins to recognize and describe the attributes of shapes.		
3.11	Classifies objects conceptually (things that go together)	III. Mathematical Thinking	C. Patterns, relationship, and functions	Sorts objects into sub-groups that very by one or two attributes.		
3.12	Recognizes patterns and can repeat them (patterning)	III. Mathematical Thinking	C. Patterns, relationships and functions	Recognizes simple patterns and duplicates them.		
3.13	Demonstrates one-to-one correspondence	III. Mathematical Thinking	B. Number and operations	Shows beginning understanding of number and quantity.		
3.14	Demonstrates the ability to order and sequence	III. Mathematical Thinking	C. Patterns, relationships and functions	Recognizes simple patterns and duplicates them.		
				Orders, compares and described objects according to single attribute.		
3.15	Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)	III. Mathematical Thinking	B. Number and operations	Shows beginning understanding of number and quantity.		
3.16	Demonstrates an understanding of addition and subtraction, using manipulatives	III. Mathematical Thinking	A. Mathematical processes	Begins to use simple strategies to solve mathematical problems.		
			B. Number and operations	Shows beginning understanding of number and quantity.		
3.17	Shows understanding of different relationships of object in space (spatial relations)	III. Mathematical Thinking	D. Geometry and spatial relations	Shows understanding of and uses several position words.		

Arkansas Early Childhood Education Benchmark	Work Sampling System: Developmental Guidelines for Preschool 4 (4 th edition)				
Benchmark	Domain	Component	Performance Indicator		
3.18 Shows an awareness of time concepts	III. Mathematical Thinking	E. Measurement	2. Participates in measuring activities.		
3.19 Shows interest in exploring the environment.	V. Social Studies	D. People and where they live	2. Shows awareness of the environment.		
	I. Personal and Social	C. Approaches to learning	Shows eagerness and curiosity as a learner.		
	IV. Science	A. Inquiry	Asks questions and uses senses to explore materials and natural phenomena.		
3.20 Uses senses to learn about the characteristics of the environment, and to collect data (specific	IV. Scientific Thinking	A. Inquiry	Asks questions and uses senses to observe and explore materials and natural phenomena.		
process: observing)			Uses simple tools and equipment for investigation.		
3.21 Uses words to describe the characteristics of objects (scientific process: communicating)	II. Language & Literacy	B. Speaking	Uses expanded vocabulary and language for a variety of purposes.		
3.22 Makes comparisons (scientific process: comparing)	IV. Scientific Thinking	A. Inquiry	Makes comparisons among objects.		
3.23 Shows awareness of cause-effect relationships	IV. Scientific Thinking	A. Inquiry	Asks questions and uses senses to observe and explore materials and natural phenomena.		
3.24 Finds more than one solution to a problem	IV. Scientific Thinking	A. Inquiry	Asks questions and uses senses to observe and explore materials and natural phenomena.		
	I. Personal & Social	C. Approaches to learning	Approaches tasks with flexibility and inventiveness.		
3.25 Applies information or experience to a new context (scientific process: applying)	I. Personal & Social	C. Approaches to learning	Approaches tasks with flexibility and inventiveness.		
3.26 Discusses natural events in the environment	IV. Scientific Thinking	A. Inquiry	Asks questions and uses senses to observe and explore materials and natural phenomena.		
3.27 Uses numbers in daily activities	III. Mathematical Thinking	A. Mathematical processes	Begins to use simple strategies to solve mathematical problems.		
		B. Number and operations	Shows beginning understanding of number and quantity.		
3.28 Describes the characteristics of both two- dimensional shapes and geometric solids	III. Mathematical Thinking	D. Geometry and spatial relations	Begins to recognize and describe the attributes of shapes		
3.29 Manipulates and combines two-dimensional shapes	III. Mathematical Thinking	D. Geometry and spatial relations	Shows understanding of and uses several positional words.		
3.30 Participants in exploratory measurement activities	III. Mathematical Thinking	E. Measurement	Participates in measuring activities.		

Arkansas Early Childhood Education Benchmark	Work Sampling S	ystem: Developmental Guideline	es for Preschool 4 (4 th edition)
Benchmark	Domain	Component	Performance Indicator
Social Studies			
3.31 Identifies self as a boy or girl	V. Social Studies	A. People, past and present	Identifies similarities and differences in personal and family characteristics.
3.32 Identifies self as a member of a specific family and cultural group	V. Social Studies	A. People, past and present	Identifies similarities and differences in personal and family characteristics.
3.33 Shows pride in heritage and background	V. Social Studies	A. People, past and present	Identifies similarities and differences in personal and family characteristics.
3.34 Shows awareness of the roles people play in society	V. Social Studies	B. Human interdependence C. Citizenship and government	 Begins to understand family needs, roles and relationships. Describes some people's jobs and what is required to perform them. Shows awareness of what it means to be a leader.
3.35 Functions as a member of the classroom community	Personal & Social Development Social Studies	D. Interaction with othersC. Citizenship and government	 Participates in the group life of the class. Demonstrates awareness of rules.
3.36 Shows awareness of safe behavior	VII. Physical Development & Health V. Social Studies	C. Personal health and safetyC. Citizenship and government	Follows basic health and safety rules. Demonstrates awareness of rules.
3.37 Cares for the environment	V. Social Studies I. Personal & Social Development	D. People and where they liveB. Self control	 Shows awareness of the environment. Uses classroom materials carefully.
Technology and the World		•	
3.41 Independently applies technology and tools to address a variety of tasks and problems	IV. Scientific Thinking	B. Inquiry	Uses simple tools and equipment for investigation.
3.42 Shows awareness of technology and tools and their impact on how people live	V. Social Studies	B. Human interdependence	Begins to be aware of technology and how it affects life.
3.43 Identifies purposes of common technologies	V. Social Studies	B. Human interdependence	Begins to be aware of technology and how it affects life.
3.44 Demonstrates the safe and cooperative use of technology and tools	IV. Scientific Thinking	A. Inquiry	Uses simple tools and equipment for investigation.
3.45 Communicates about technology and tools using developmentally appropriate and accurate terminology	II. Language and Literacy	B. Speaking	Uses expanded vocabulary and language for a variety of purposes.
	Learning Strand: Physica	al Development	_
Health and Nutrition			
4.1 Identifies body parts and understands their functions	V. Social Studies	A. People, past and present	Identifies similarities and differences in personal and family characteristics.

Benchmark					
4.3 Tries new foods before deciding whether he/she likes them 4.4 Recognizes different types of food 4.5 Shows awareness that some foods are better for your body than others 4.6 Coordinate eye and hand movements to complete tasks 4.7 Uses small muscles for self-help skills 4.8 Uses writing and drawing tools with control and intention 4.9 Freely participates in gross motor activities 4.10 Throws, kicks, bounces and catches 4.2 Follows basic health and safety 1. Shows eagerness and curic 2. Approaches to learning 1. Shows eagerness and curic 2. Shows eagerness and curic 3. Shows eagerness and curic 4. Shows eage	sks independently.				
likes them I. Personal & Social Development C. Approaches to learning I. Shows eagerness and curic II. Language & Literacy IV. Science IV. Science IV. Science IV. Science IV. Physical Development & Health Separation of tasks IVII. Physical Development & Health IVII. Physical Develo					
4.4 Recognizes different types of food II. Language & Literacy III. Speaking III. Language & Literacy III. Asks questions and uses so and explore materials and revolve materials and re	fety rules.				
a variety of purposes. IV. Science A. Inquiry 1. Asks questions and uses so and explore materials and report ma	sity as a learner.				
4.5 Shows awareness that some foods are better for your body than others Fine Motor 4.6 Coordinate eye and hand movements to complete tasks 4.7 Uses small muscles for self-help skills VII. Physical Development & Health C. Personal health and safety Development & Health E. Fine motor development C. Personal health and safety 2. Uses eye-hand coordination tasks 4.7 Uses small muscles for self-help skills VII. Physical Development & Health C. Personal health and safety Development C. Personal health and safety T. Uses strength and control to tasks. Uses eye-hand coordination tasks. Uses eye-hand coordination tasks. Development & Health Development Development A. Gross motor development Development A. Gross motor development Development Development A. Gross motor development De	and language for				
Fine Motor 4.6 Coordinate eye and hand movements to complete tasks 4.7 Uses small muscles for self-help skills VII. Physical Development & Health C. Personal health and safety 4.8 Uses writing and drawing tools with control and intention 4.9 Freely participates in gross motor activities VII. Physical Development & Health C. Personal health D. Fine motor development C. Personal health and safety C. Personal health and					
4.6 Coordinate eye and hand movements to complete tasks 4.7 Uses small muscles for self-help skills VII. Physical Development & Health C. Personal health and safety 4.8 Uses writing and drawing tools with control and intention VII. Physical Development & Health B. Fine motor development C. Personal health and safety VII. Physical Development & Health B. Fine motor development C. Personal health and safety VII. Physical Development & Health B. Fine motor development C. Personal health and safety VII. Physical Development & Health B. Fine motor development C. Personal health and safety C. Perso	fety rules.				
tasks 4.7 Uses small muscles for self-help skills VII. Physical Development & Health C. Personal health and safety 4.8 Uses writing and drawing tools with control and intention Gross Motor 4.9 Freely participates in gross motor activities VII. Physical Development & Health VII. Physical Development & Health VII. Physical Development & Health A. Gross motor development 1. Uses strength and control tasks. 2. Uses eye-hand coordination 1. Performs some self-care tagent and art tools. Shows beginning control of and art tools. VII. Physical Development & Health A. Gross motor development 1. Moves with balance and control tasks. 4.10 Throws, kicks, bounces and catches VII. Physical Development & Health A. Gross motor development 2. Coordinates movements to tasks.					
C. Personal health and safety tasks. Uses eye-hand coordination VII. Physical Development & Health B. Fine motor development Shows beginning control of and art tools. Gross Motor 4.9 Freely participates in gross motor activities VII. Physical Development & Health A. Gross motor development 1. Moves with balance and co 2. Coordinates movements to tasks. 4.10 Throws, kicks, bounces and catches VII. Physical Development & Health A. Gross motor development 2. Coordinates movements to tasks.	to perform tasks.				
4.8 Uses writing and drawing tools with control and intention VII. Physical Development & Health B. Fine motor development 3. Shows beginning control of and art tools. Gross Motor 4.9 Freely participates in gross motor activities VII. Physical Development & Health A. Gross motor development 1. Moves with balance and condination and art tools. Coordinates movements to tasks. 4.10 Throws, kicks, bounces and catches VII. Physical Development & Health A. Gross motor development 2. Coordinates movements to tasks.	perform simple				
4.8 Uses writing and drawing tools with control and intention VII. Physical Development & Health B. Fine motor development 3. Shows beginning control of and art tools. Gross Motor 4.9 Freely participates in gross motor activities VII. Physical Development & Health A. Gross motor development 1. Moves with balance and control of and art tools. Coordinates movements to tasks. 4.10 Throws, kicks, bounces and catches VII. Physical Development & Health A. Gross motor development 2. Coordinates movements to tasks.					
4.8 Uses writing and drawing tools with control and intention VII. Physical Development & Health B. Fine motor development 3. Shows beginning control of and art tools. Gross Motor 4.9 Freely participates in gross motor activities VII. Physical Development & Health A. Gross motor development 1. Moves with balance and co 2. Coordinates movements to tasks. 4.10 Throws, kicks, bounces and catches VII. Physical Development & Health A. Gross motor development 2. Coordinates movements to tasks.	•				
intention Gross Motor 4.9 Freely participates in gross motor activities VII. Physical Development & Health A. Gross motor development 1. Moves with balance and co 2. Coordinates movements to tasks. 4.10 Throws, kicks, bounces and catches VII. Physical Development & Health A. Gross motor development 2. Coordinates movements to tasks.	· · · · · · · · · · · · · · · · · · ·				
 4.9 Freely participates in gross motor activities 4.9 Freely participates in gross motor activities 4.10 Throws, kicks, bounces and catches VII. Physical Development & Health A. Gross motor development A. Gross motor development A. Gross motor development Coordinates movements to tasks. 	writing, drawing				
2. Coordinates movements to tasks. 4.10 Throws, kicks, bounces and catches VII. Physical Development & Health A. Gross motor development 2. Coordinates movements to tasks.					
tasks.					
4.11 Runs, jumps, hops and skips VII, Physical Development & Health A. Gross motor development 1. Moves with balance and co	perform simple				
The first and a straight and a strai	ntrol.				
4.12 Shows balance and coordination VII. Physical Development & Health A. Gross motor development 1. Moves with balance and coordinates movements to tasks.					
4.13 Climbs up and down equipment VII. Physical Development & Health A. Gross motor development					
Learning Strand: Language					
Language					
5.1 Demonstrates phonological awareness II. Language and Literacy A. Listening 3. Demonstrates phonological	awareness.				
5.2 Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar II. Language & Literacy B. Speaking 1. Speaks clearly enough to be without contextual clues.	e understood				

A	Arkansas Early Childhood Education Benchmark		Work Sampling System: Developmental Guidelines for Preschool 4 (4th edition)				
	Benchmark		Domain		Component		Performance Indicator
5.3	Expands vocabulary	II.	Language & Literacy	B.	Speaking	2.	Uses expanded vocabulary and language for a variety of purposes.
5.4	Recognizes and identifies by name most common objects and pictures	II.	Language & Literacy	B.	Speaking	2.	Uses expanded vocabulary and language for a variety of purposes.
5.5	Participates in songs, fingerplays, rhyming activities and games	II.	Language & Literacy	Α.	Listening	3.	Demonstrates phonological awareness.
5.6	Uses words to communicate ideas	II.	Language & Literacy	A.	Listening	1.	Gains meaning by listening.
				B.	Speaking	2.	Uses expanded vocabulary and language for a variety of purposes.
5.7	Engages in two-way conversation with children and	II.	Language & Literacy	A.	Listening	1.	Gains meaning by listening.
	adults	l.	Personal & Social Development	D.	Interaction with others	1.	Interacts easily with one or more children.
						2.	Interacts easily with familiar adults.
5.8	Participates in group discussion	II.	Language & Literacy	A.	Listening	1.	Gains meaning by listening.
		l.	Personal and Social Development	C.	Approaches to learning	1.	Shows eagerness and curiosity as a learner.
5.9	Uses language to problem solve	I.	Personal & Social Development	E.	Social problem-solving	1.	Seeks adult help when needed to resolve conflicts.
5.10	Follows directions in sequence	II.	Language & Literacy	A.	Listening	2.	Follows two- or three-step directions.
5.11	Tells a story	II.	Language & Literacy	В	Speaking	2.	Uses expanded vocabulary and language for a variety of purposes.

Continuum of the Arkansas Framework for Infant and Toddler Care with the Arkansas Early Childhood Education (AECE) Framework Handbook for Three and Four Year Old Children

The Arkansas Framework for Infant and Toddler Care was designed as a guide to assist caregivers in any setting that provides care. As the Arkansas Framework for Infant and Toddler Care was being developed consideration was given as to how it would connect to the benchmarks in the AECE Framework Handbook. A careful examination of both documents indicated that they do connect. The two frameworks create a continuum for development and leaning for children from birth to kindergarten that bridges to the Common Core State Standards (Kindergarten Level). The chart below has the Infant Toddler Benchmarks in the left column and the AECE Benchmarks in the right column.

Infant and Toddler Benchmarks	AECE Benchmarks	
Young Infants, Mobile Infants, Toddlers		
DEVELOPMENTAL STRAND 1: To learn about themselve	s — Self-concept development	
1.1 Feels valued and attached to others	1.10 Demonstrates trust in adults	
	1.28 Seeks support from others when needs assistance	
1.2 Becomes aware of self as a unique individual	3.31 Identifies self as a boy or girl	
	3.32 Identifies self as a member of a specific family and cultural group	
1.3 Demonstrates increasing sense of competence and	1.6 Demonstrates confidence in growing abilities	
confidence in growing abilities	1.25 Identifies one's own feelings	
1.4 Asserts independence	1.3 Demonstrates ability to play independently	
DEVELOPMENTAL STRAND 2: To learn about their feelings — Emotional Development		
2.1 Displays a wide range of feelings and emotions	1.26 Expresses thoughts and feelings in words	
	1.29 Expresses strong emotions constructively	
2.2 Expresses feelings and emotions through gestures,	1.25 Identifies one's own feelings	
sounds, and-eventually-words	1.26 Expresses strong emotions constructively	
	1.27 Identifies and understands others' emotions and intentions	
	5.6 Uses words to communicate ideas and feelings	
DEVELOPMENTAL STRAND 3: To learn about other people — Social development		
3.1 Develops trusting relationships with nurturing adults	1.10 Demonstrates trust in adults	
	1.28 Seeks support from others when needs assistance	
3.2 Shows interest in peers	1.14 Seeks out adults and children	
	1.24 Expresses care and concern for others	
	1.28 Seeks support from others when needs assistance	

Infant and Toddler Benchmarks	AECE Benchmarks
3.3 Demonstrates caring and cooperation	1.16 Helps others in need
	1.18 Shares; respects the rights of others
	1.24 Expresses care and concern for others
	1.27 Identifies and understands others' emotions and intentions
	1.33 Delays gratification
3.4 Tries out roles and relationships through imitation and	2.2 Participates in dramatic play themes that become more involved and complex
pretend play	2.3 Assumes various roles in dramatic play situations
	3.34 Shows awareness of the roles people play in society
DEVELOPMENTAL STRAND 4: To learn to communicate	— Language Development
4.1 Expresses needs and thoughts without using words	
4.2 Identifies with a home language	3.32 Identifies self as a member of a specific family and cultural group
4.3 Responds to verbal and non-verbal communication	1.23 Follows rules
	1.26 Expresses thoughts and feelings in words
	1.27 Identifies and understand others' emotions and intentions
	1.29 Expresses strong emotions constructively
	1.33 Delays gratification
	5.6 Uses words to communicate ideas and feelings
	5.7 Engages in two-way conversation with children and adults
	5.10 Follows directions in sequence

Infant and Toddler Benchmarks	AECE Benchmarks	
4.4 Communicates through language	1.22 Shares, takes turns	
	5.1 Demonstrates phonological awareness (hearing and recognizing the sounds of language)	
	5.2 Uses effective oral communication skills: speaking in complete sentences, speaking with appropriate grammar	
	5.3 Expands vocabulary	
	5.4 Recognizes and identifies by name most common objects and pictures	
	5.5 Participates in songs, fingerplays, rhyming activities, and games	
	5.6 Uses words to communicate ideas and feelings	
	5.7 Engages in two-way conversation with children and adults	
	5.8 Participates in group discussion	
	5.9 Uses language to problem solve	
4.5 Shows enjoyment of books and stories	3.1 Shows enjoyment of books and stories and discussion of them	
	3.2 Tells a story in sequence, following the pictures in a book	
	3.3 Demonstrates knowledge of how to use a book	
	3.5 Understands that print conveys a message	
	3.4 Independently applies technology and tools to address a variety of tasks and problems	
	3.43 Identifies purpose of common technologies and tools	
	5.11 Tells a story	
DEVELOPMENTAL STRAND 5: To learn to move and do — Physical Development		
5.1 Develops gross motor skills	4.9 Freely participates in gross motor activities	
	4.10 Throws, kicks, bounces, and catches	
	4.11 Runs, jumps, hops and skips	
	4.12 Shows balance and coordination	
	4.13 Climbs up and down equipment	

Infant and Toddler Benchmarks	AECE Benchmarks
5.2 Develops fine motor skills	3.41 Independently applies technology and tools to address a variety of tasks and problems
	3.43 Identifies purpose of common technologies and tools
	3.44 Demonstrates the safe and cooperative use of technology and tool
	4.6 Coordinates eye and hand movements to complete tasks
	4.7 Uses small muscles for self-help skills
	4.8 Uses writing and drawing tools with control and intention
5.3 Coordinates eye and hand movements	4.6 Coordinates eye and hand movements to complete tasks
5.4 Develops self-help skills	1.2 Demonstrates independence in personal care
	4.2 Demonstrates health and personal care habits
	4.7 Uses small muscles for self-help skills
DEVELOPMENTAL STRAND 5: To learn to think — Cogni	tive Development
6.1 Gains an understanding of basic concepts and	3.10 Classifies objects by physical features such as shape or color
relationships	3.11 Classifies objects conceptually (things that go together)
	3.12 Recognizes patterns and can repeat them (patterning)
	3.13 Demonstrates one-to-one correspondence
	3.14 Demonstrates the ability to order and sequence
	3.15 Demonstrates an understanding of number (how many) and numeral (3 is a numeral) relationship (numeration)
	3.16 Demonstrates an understanding of addition and subtraction; using manipulatives
	3.17 Shows understanding of different relationships of objects in space (spatial relations)
	3.18 Shows an awareness of time concepts
	3.19 Shows interest in exploring the environment
	3.20 Uses senses to learn about the characteristics of the environment and to collect data (scientific process: observing)
	3.21 Uses words to describe the characteristics of objects (scientific process: communicating)
	3.22 Makes comparisons (scientific process: comparing)
	3.23 Shows awareness of cause-effect relationships
	3.27 Uses numbers in daily activities
	3.28 Describes the characteristics of both two-dimensional shapes and geometric solids
	3.29 Manipulates and combines two-dimensional shapes

Infant and Toddler Benchmarks	AECE Benchmarks
6.2 Applies knowledge to new situations	1.4 Shows curiosity and desire to learn
	3.24 Finds more that one solution to a problem
	3.25 Applies information or experience to a new context (scientific process: applying)
	3.26 Discusses natural events in the environment
	3.30 Participates in exploratory measurement activities
6.3 Develops strategies for solving problems	1.5 Enjoys experimenting and problem-solving with ideas as well as with concrete materials
	3.24 Finds more that one solution to a problem
	3.30 Participates in exploratory measurement activities